

C6498803

BOLT
178

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: RE00141337

Serial: C6498803 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

High Priority

Status:

Closed 2/7/2008 8:33:55 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: HQ US ARMY AIR DEFENSE ARTILLERY CEN

HQ US ARMY AIR DEFENSE ARTILLERY CEN

Address 2: ATTN: ATZCISL -TM BLDG

PO Box:

ATTN: ATZCISL -TM BLDG

PO Box:

City: FORT BLISS

FORT BLISS

State: TX

Zip Code: 79916

Country: US

State: TX

Zip Code: 79916

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
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1
D000	SCOPE CASE	1

Repair Search

Refresh

Close

nagletj

2/7/2008

4:16 PM

NUM

Serial Number: C6498803

Model: M24 SWS



RE00141337

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

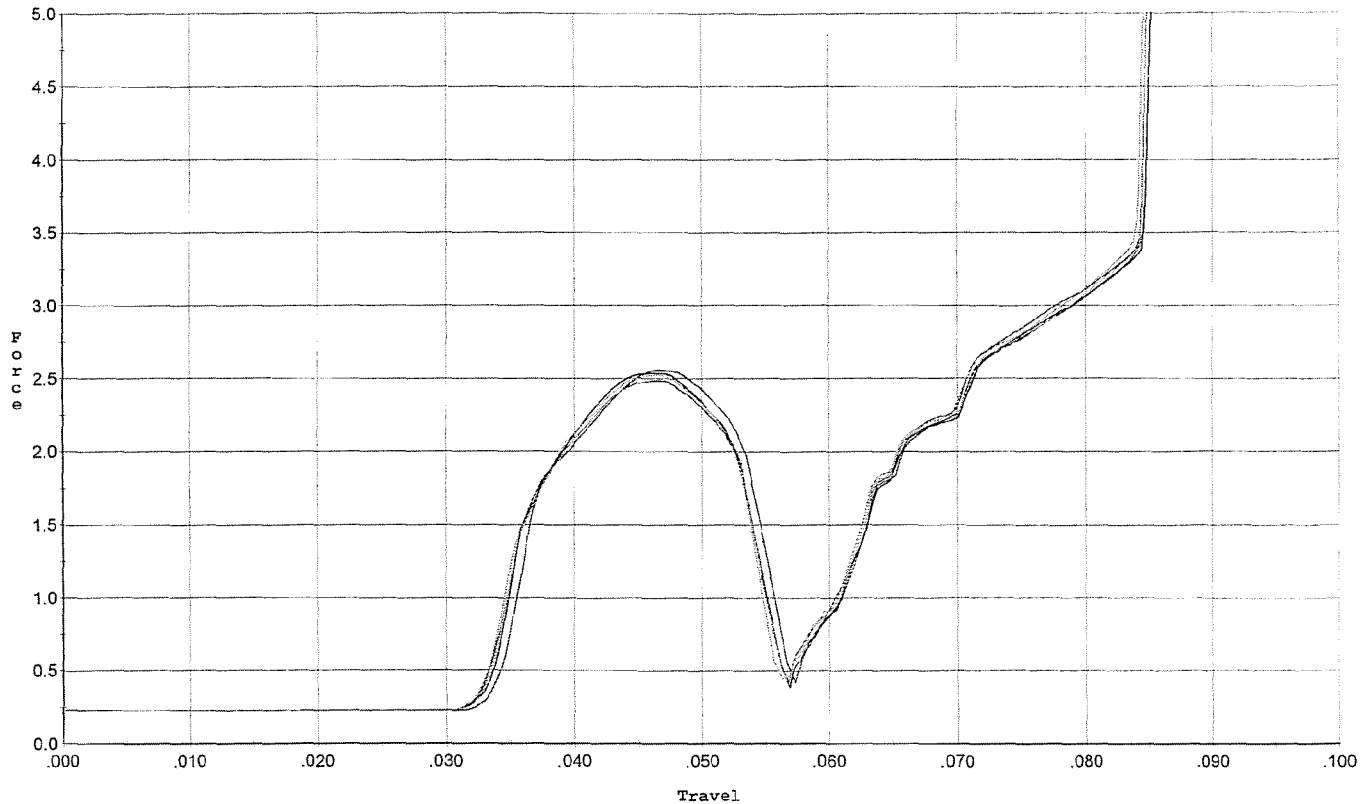
R & E NUMBER 00141337SERIAL NUMBER C6498803LOG-IN DATE 2-7-08

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		2-20-08	L.P.D.
505	RE-BARREL		2-20-08	L.P.D.
560	ASSEMBLE		2-20-08	L.P.D.
600	PROOF		2-20-08	TRW
605	CHECK HEADSPACE		2-20-08	TRW
610	DIS-ASSEMBLE GUN		3-7-08	RTZ
612	MAGNAFLUX	MAGNA - FLUX MAR 14 2008 OPERATOR <u>unmb</u>	3/14/08	unmb
510	DRILL AND TAP		3-12-08	Fm
615	ROLLMARK CALIBER		3-13-08	C.W
618	ROTO-BLAST		3-14-08	DC
620	APPLY COATINGS		3/20/08	HP
625	FINAL ASSEMBLY		4-2-08	L.P.D.
640	FUNCTION TEST AND	PASS FAIL	4-4-08	TRW
650	TARGET	PASS FAIL	4-3-08	SD
	MALFUNCTION	CORRECTION		
	MALFUNCTION ^{atches} _{using right side of receiver}	CORRECTION OK N/A	4-4-08	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	4-3-08	TRW
670	FINAL INSPECTION		4/8/08	Fm
	A) HEADSPACE	PASS FAIL	4/8/08	Fm
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.87 2.76 2.90 2.71 2.73 4/7/08	Fm
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.5 5.5 5.5 4/8/08	Fm
	G) SAFETY OFF FORCE	2 LBS MIN	4.5 4.5 4.5 4/8/08	Fm
	I) FIRING PIN INDENT	.020	.022 .022 .022 4/8/08	Fm
690	PACK		4/24/08	Fm

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 2/19/08

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



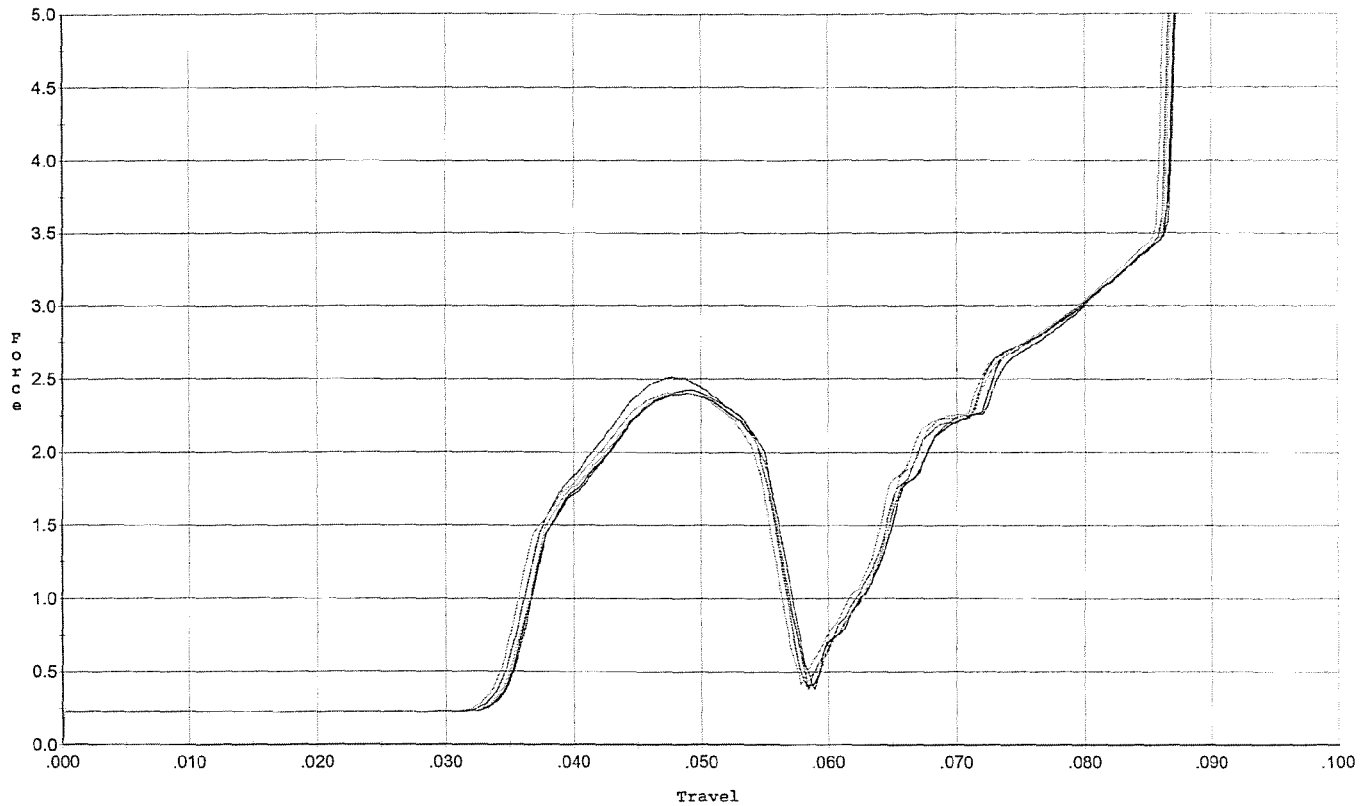
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.558	0.055	0.034	0.036	0.051		Set Trigger
2	2.538	0.053	0.033	0.037	0.049		Set Trigger
3	2.485	0.053	0.033	0.036	0.049		Set Trigger
4	2.501	0.053	0.033	0.036	0.049		Set Trigger
5	2.520	0.053	0.033	0.036	0.049		Set Trigger

Avg 2.52

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 2/19/08

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



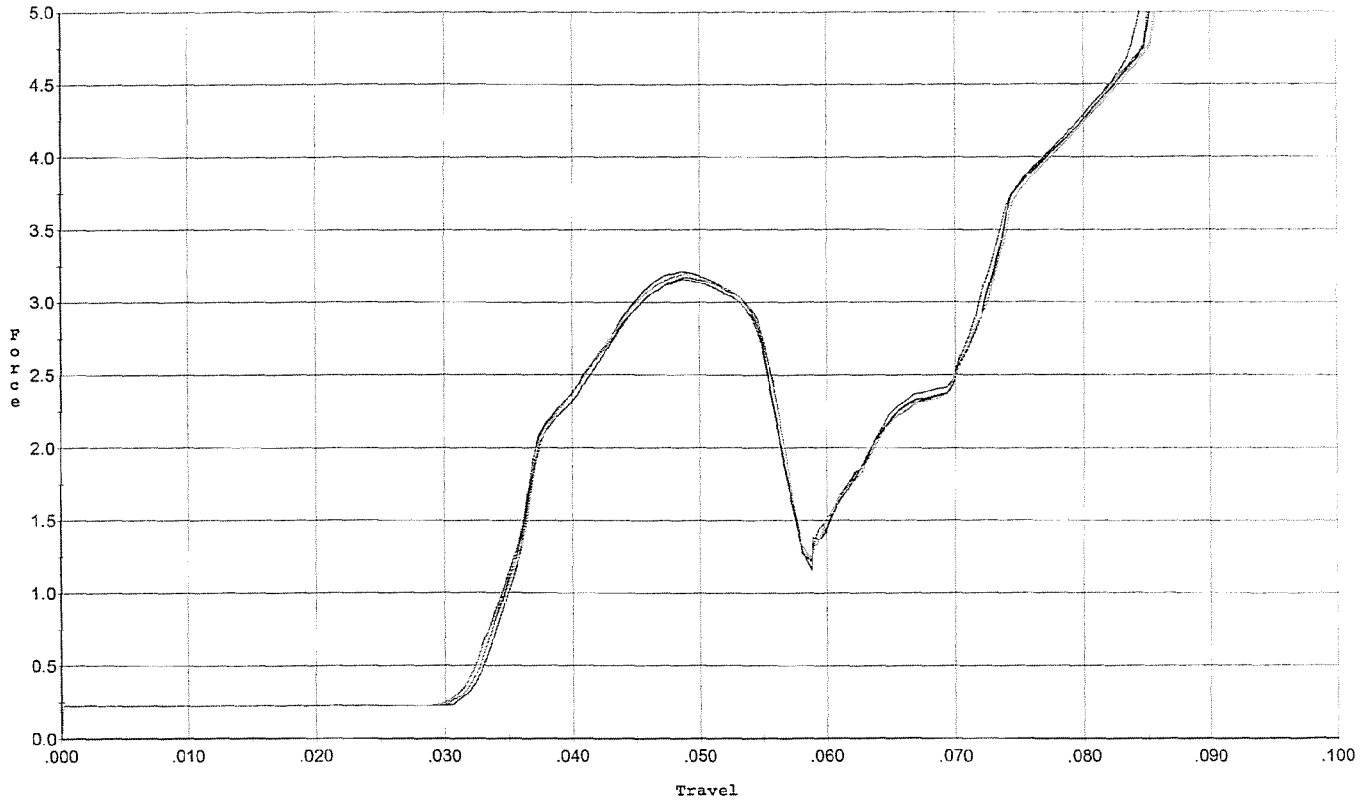
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.425	0.056	0.035	0.037	0.049		Set Trigger
2	2.404	0.055	0.035	0.037	0.048		Set Trigger
3	2.512	0.055	0.034	0.037	0.050		Set Trigger
4	2.405	0.055	0.035	0.037	0.048		Set Trigger
5	2.412	0.055	0.034	0.036	0.049		Set Trigger

Avg 2.43

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 2/19/08

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



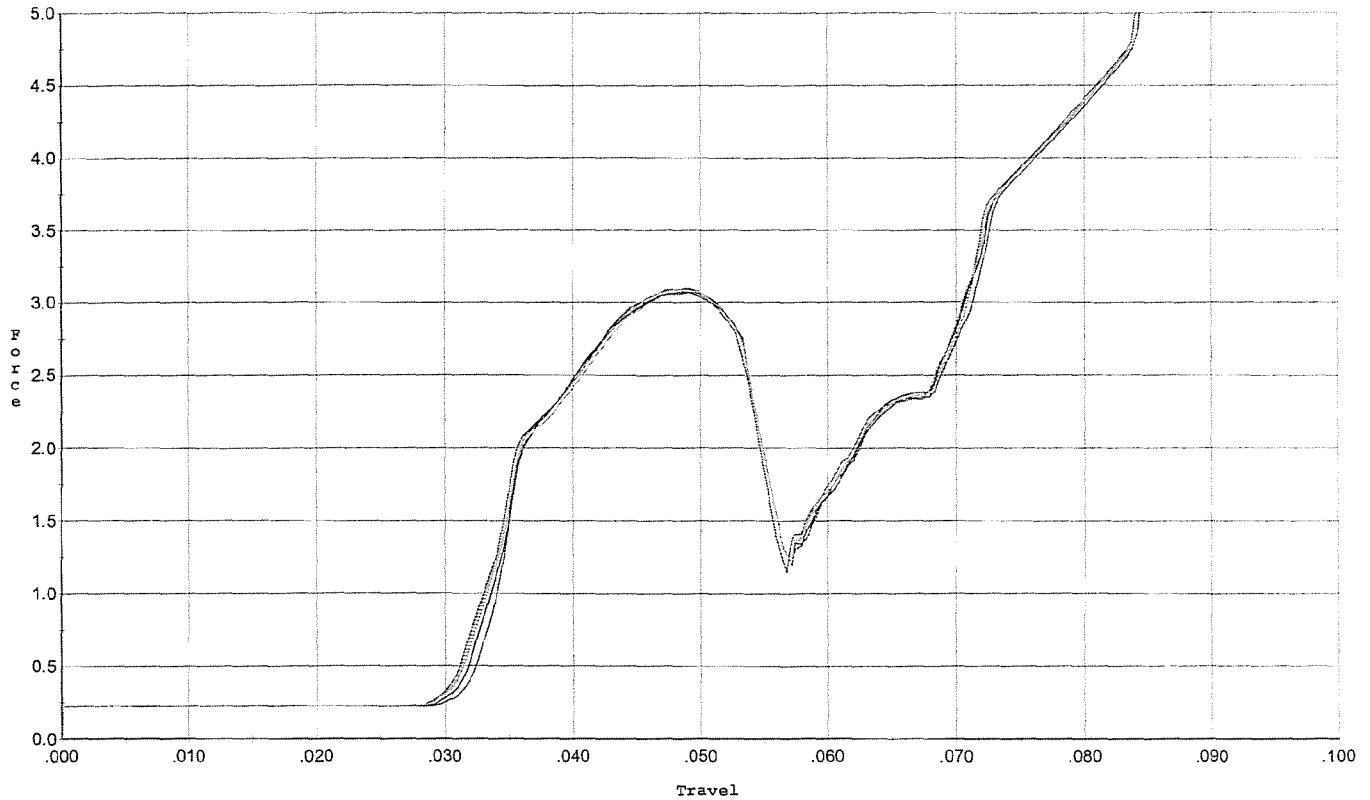
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.169	0.056	0.033	0.034	0.065		Set Trigger
2	3.211	0.055	0.032	0.035	0.064		Set Trigger
3	3.155	0.055	0.032	0.034	0.064		Set Trigger
4	3.197	0.056	0.032	0.035	0.066		Set Trigger
5	3.189	0.056	0.032	0.034	0.066		Set Trigger

Avg 3.18

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 2/19/08

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



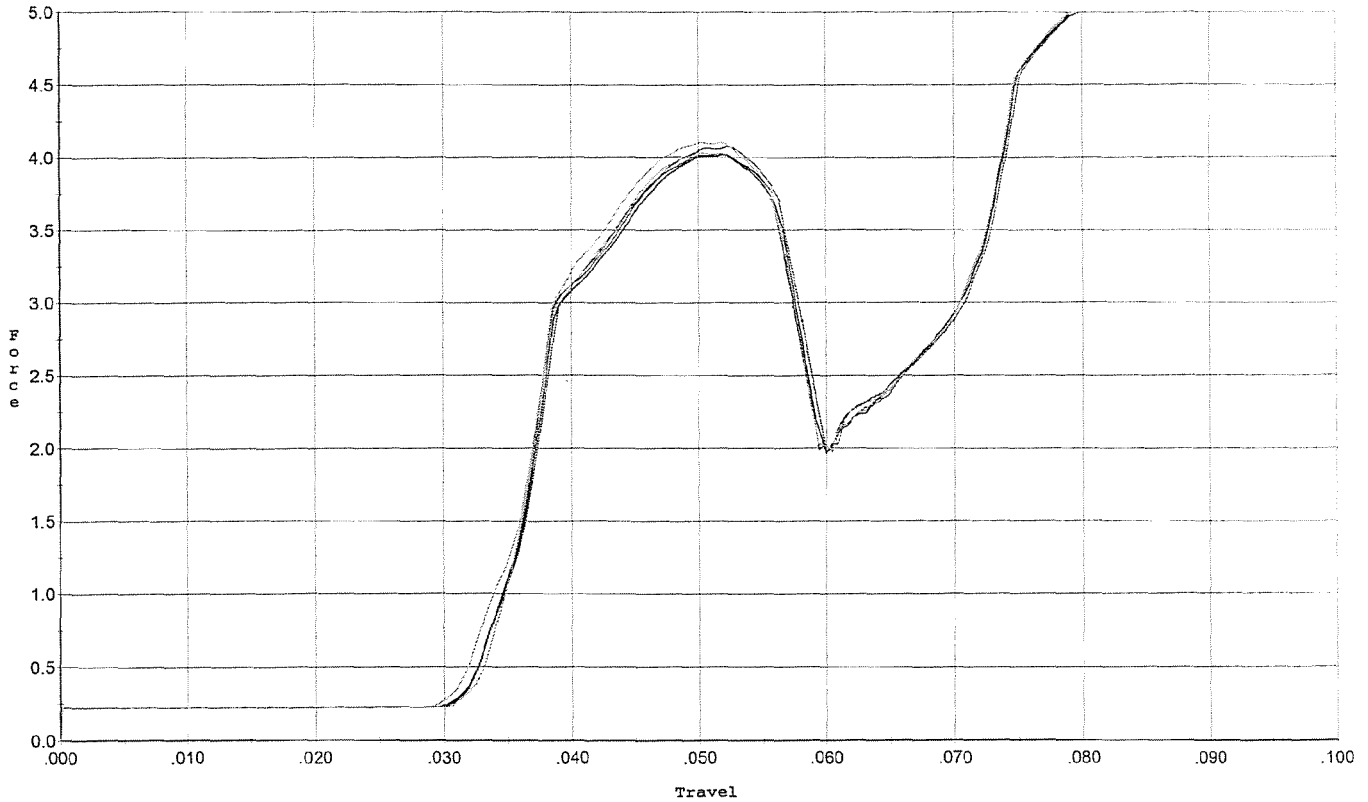
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.092	0.053	0.032	0.035	0.061		Set Trigger
2	3.073	0.053	0.031	0.035	0.061		Set Trigger
3	3.076	0.054	0.031	0.034	0.063		Set Trigger
4	3.073	0.053	0.031	0.034	0.062		Set Trigger
5	3.096	0.053	0.031	0.034	0.062		Set Trigger

Avg 3.08

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 2/19/08

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



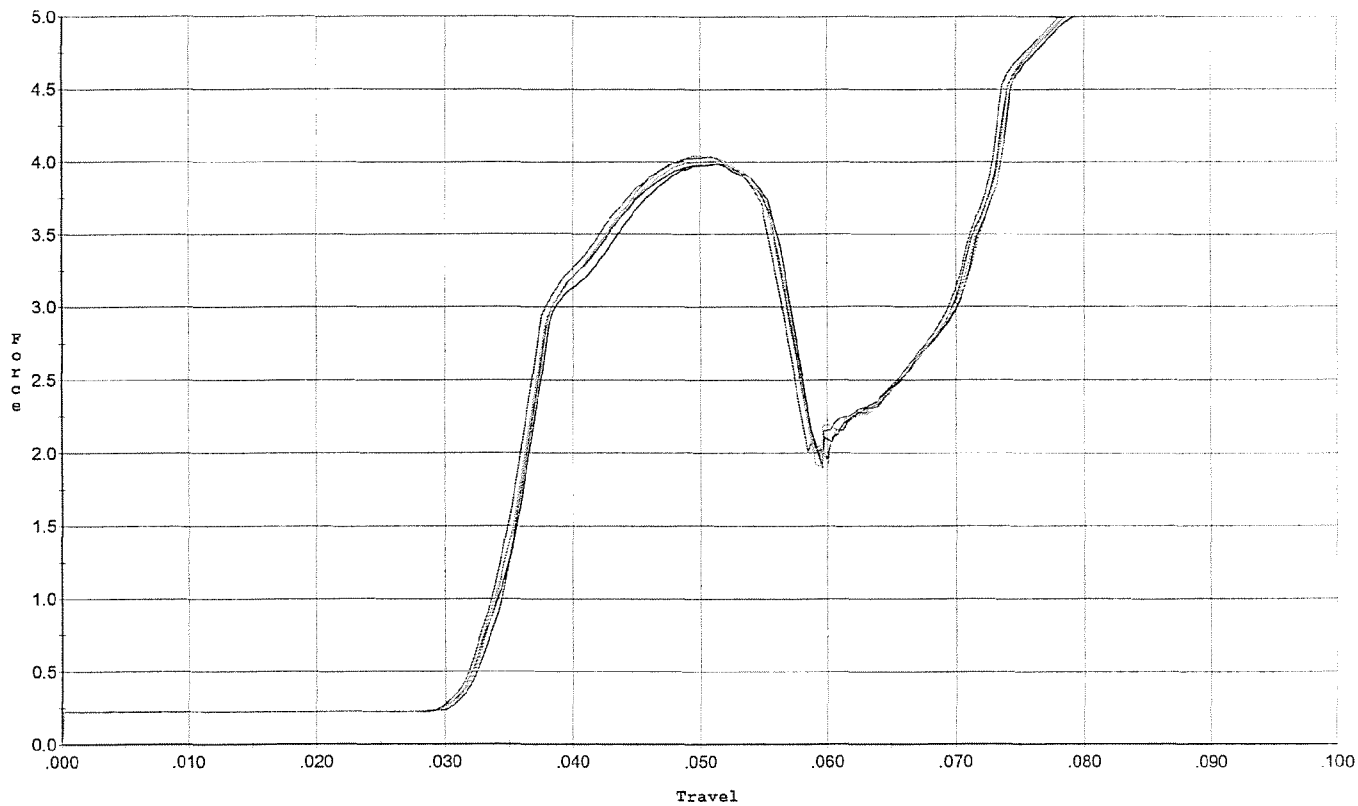
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.020	0.057	0.032	0.033	0.086		Set Trigger
2	4.021	0.057	0.032	0.033	0.085		Set Trigger
3	4.077	0.058	0.032	0.033	0.088		Set Trigger
4	4.106	0.057	0.033	0.033	0.087		Set Trigger
5	4.032	0.057	0.031	0.033	0.087		Set Trigger

AVG 4.05

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 2/19/08

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



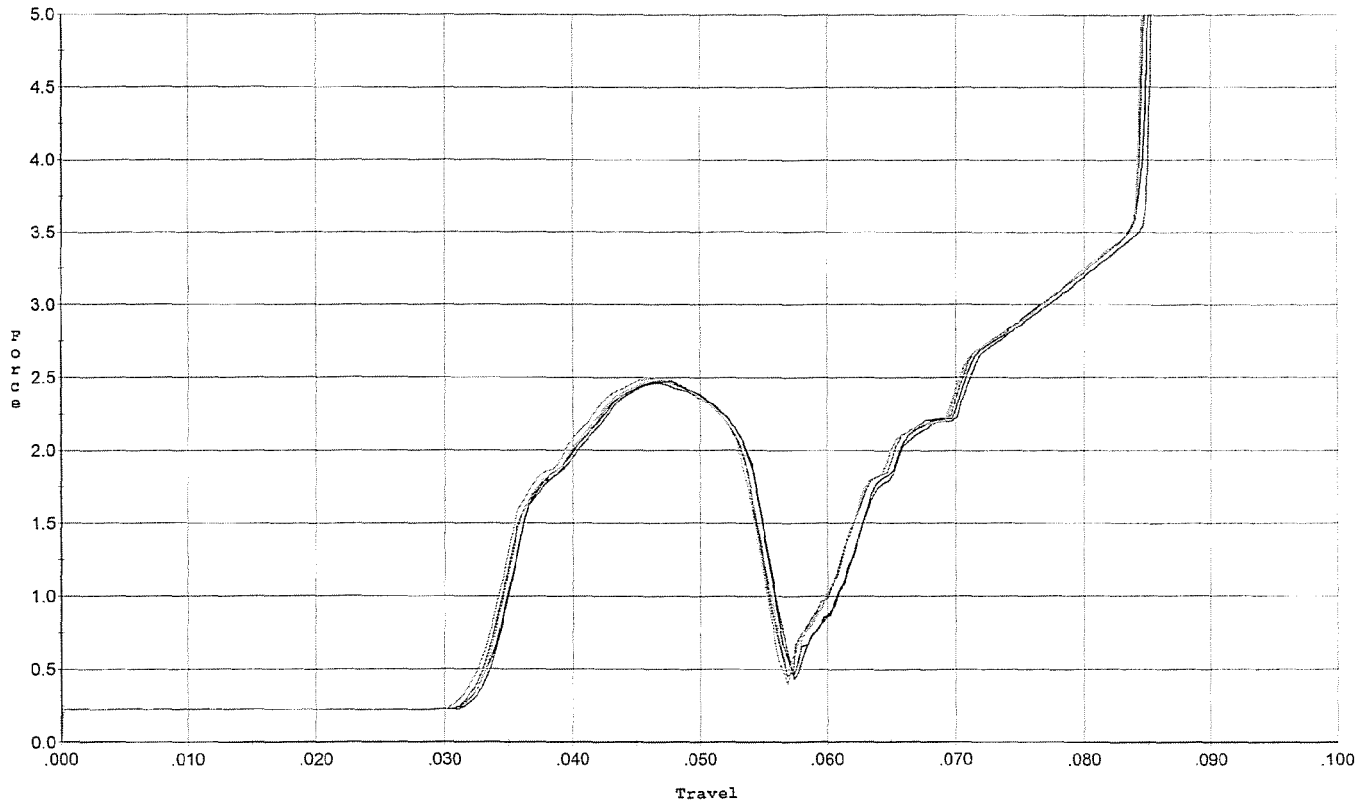
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.985	0.057	0.032	0.033	0.086		Set Trigger
2	3.989	0.056	0.032	0.033	0.085		Set Trigger
3	4.035	0.056	0.031	0.033	0.086		Set Trigger
4	4.008	0.055	0.032	0.033	0.084		Set Trigger
5	4.040	0.057	0.032	0.033	0.087		Set Trigger

AVG 4.01

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 2/19/08

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



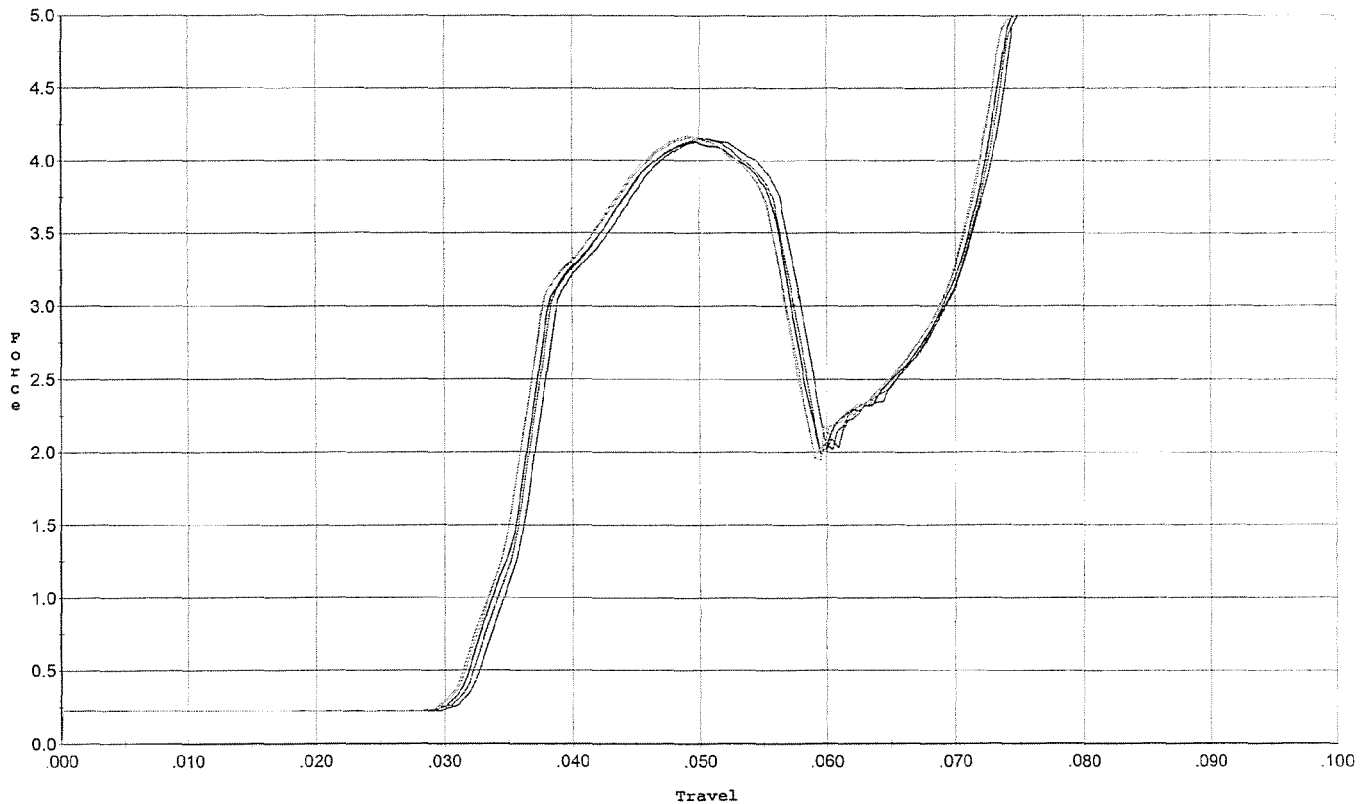
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.474	0.054	0.033	0.036	0.050		Set Trigger
2	2.469	0.054	0.033	0.036	0.050		Set Trigger
3	2.460	0.054	0.033	0.036	0.050		Set Trigger
4	2.476	0.054	0.033	0.036	0.050		Set Trigger
5	2.493	0.054	0.032	0.035	0.051		Set Trigger

Avg 2.47

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 2/19/08

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	4.154	0.058	0.032	0.032	0.089		Set Trigger
2	4.128	0.056	0.031	0.032	0.087		Set Trigger
3	4.149	0.057	0.032	0.033	0.089		Set Trigger
4	4.175	0.055	0.031	0.033	0.087		Set Trigger
5	4.161	0.057	0.031	0.032	0.090		Set Trigger

Avg 4.15

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498803.___0
FILE DATE AND TIME: 04/03/2008 09:44

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.121
The Average Y Centroid of the Five Target Set:	0.111
The Average Point of Impact of the Five Target Set:	0.164
The Average Mean Radius of the Five Target Set:	0.801
The Distance from POA to Centroid Target #1:	0.219
The Distance from Centroid Target #2 to Centroid Target #1:	0.126
The Distance from Centroid Target #3 to Centroid Target #1:	0.199
The Distance from Centroid Target #4 to Centroid Target #1:	0.360
The Distance from Centroid Target #5 to Centroid Target #1:	0.402

SERIAL NUMBER: C6498803. __0

TARGET NUMBER: 1

FILE DATE: 04/03/2008

FILE TIME: 09:44

X CENTROID: -0.200

Y CENTROID: -0.090

POA TO CENTROID: 0.219

HORZ SPREAD: 1.982

VERT SPREAD: 1.518

GROUP SPREAD: 2.204

MIN RADIUS: 0.194

MAX RADIUS: 1.318

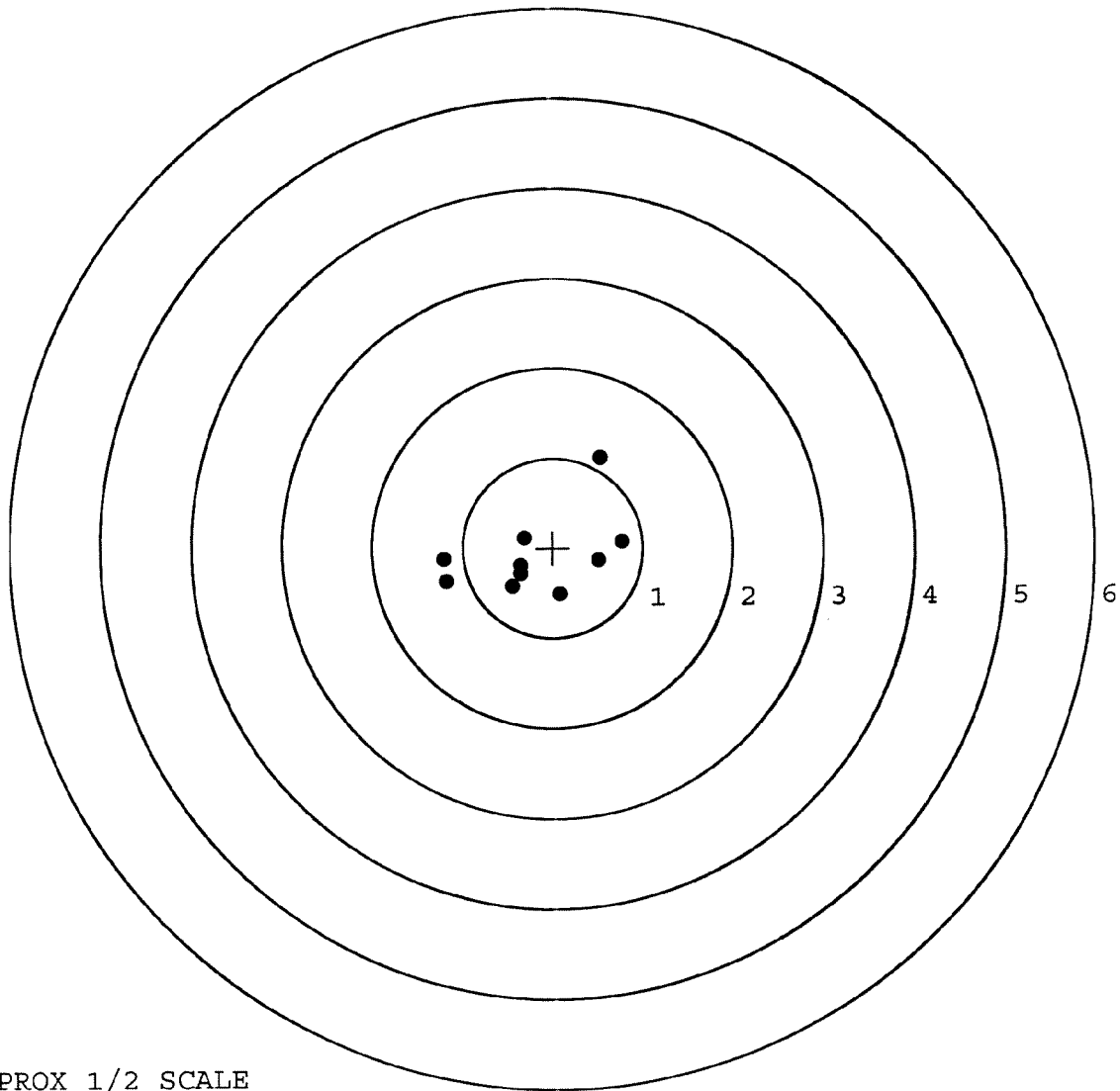
MEAN RADIUS: 0.667

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.536	1.004
2:	0.769	0.071
3:	0.512	-0.145
4:	0.080	-0.514
5:	-0.320	0.113
6:	-0.361	-0.198
7:	-0.457	-0.429
8:	-1.213	-0.132
9:	-1.182	-0.376
10:	-0.362	-0.289



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498803. __0

TARGET NUMBER: 2

FILE DATE: 04/03/2008

FILE TIME: 09:44

POINT#	X	Y
1:	1.173	0.867
2:	-0.091	0.383
3:	-0.258	-0.085
4:	-0.529	0.543
5:	-0.834	0.180
6:	-0.658	1.250
7:	-0.932	-0.466
8:	-1.672	-0.885
9:	0.951	-0.447
10:	1.070	-0.992

X CENTROID: -0.178

Y CENTROID: 0.035

POA TO CENTROID: 0.181

HORZ SPREAD: 2.845

VERT SPREAD: 2.242

GROUP SPREAD: 3.341

MIN RADIUS: 0.144

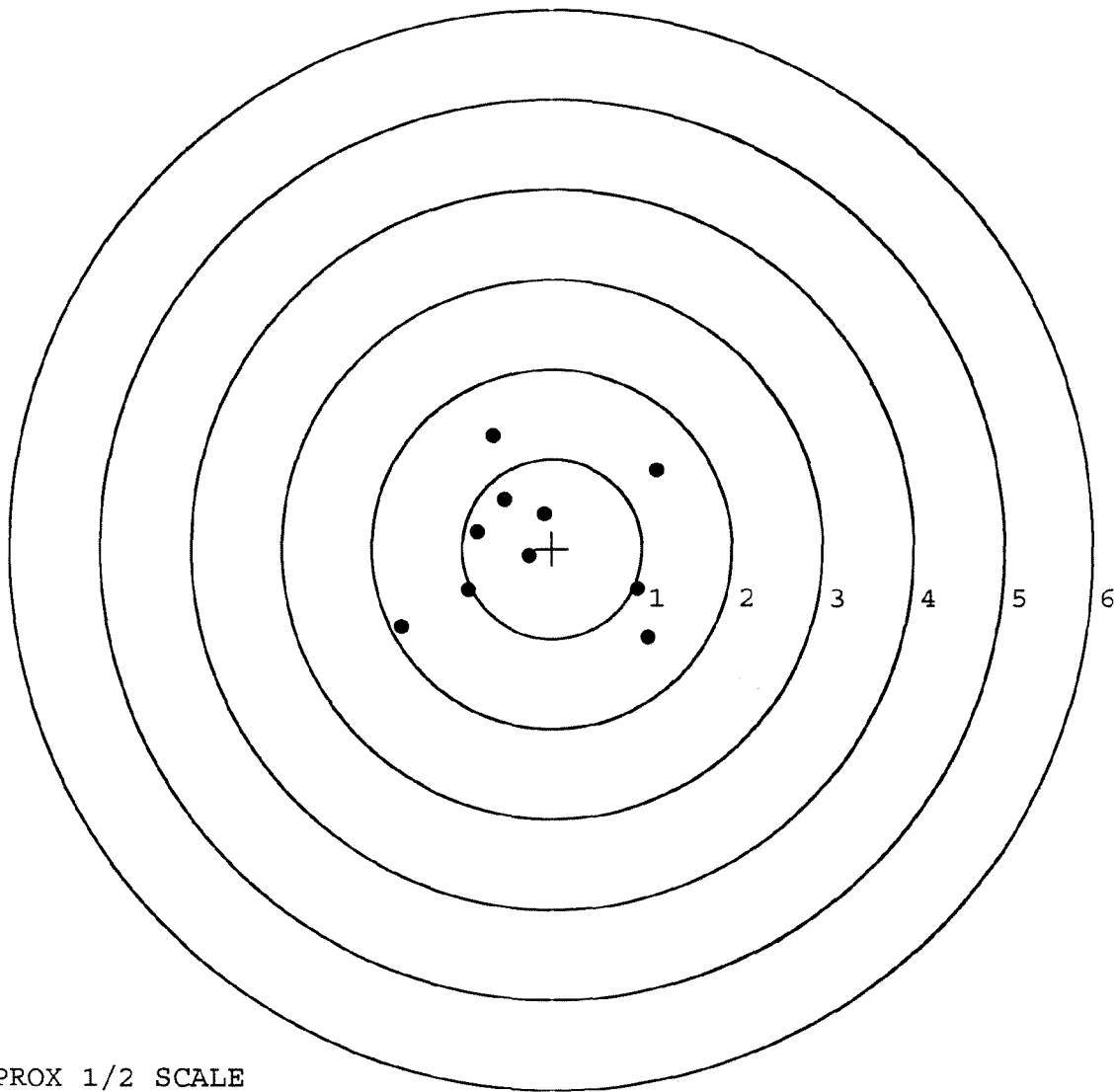
MAX RADIUS: 1.754

MEAN RADIUS: 1.019

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7

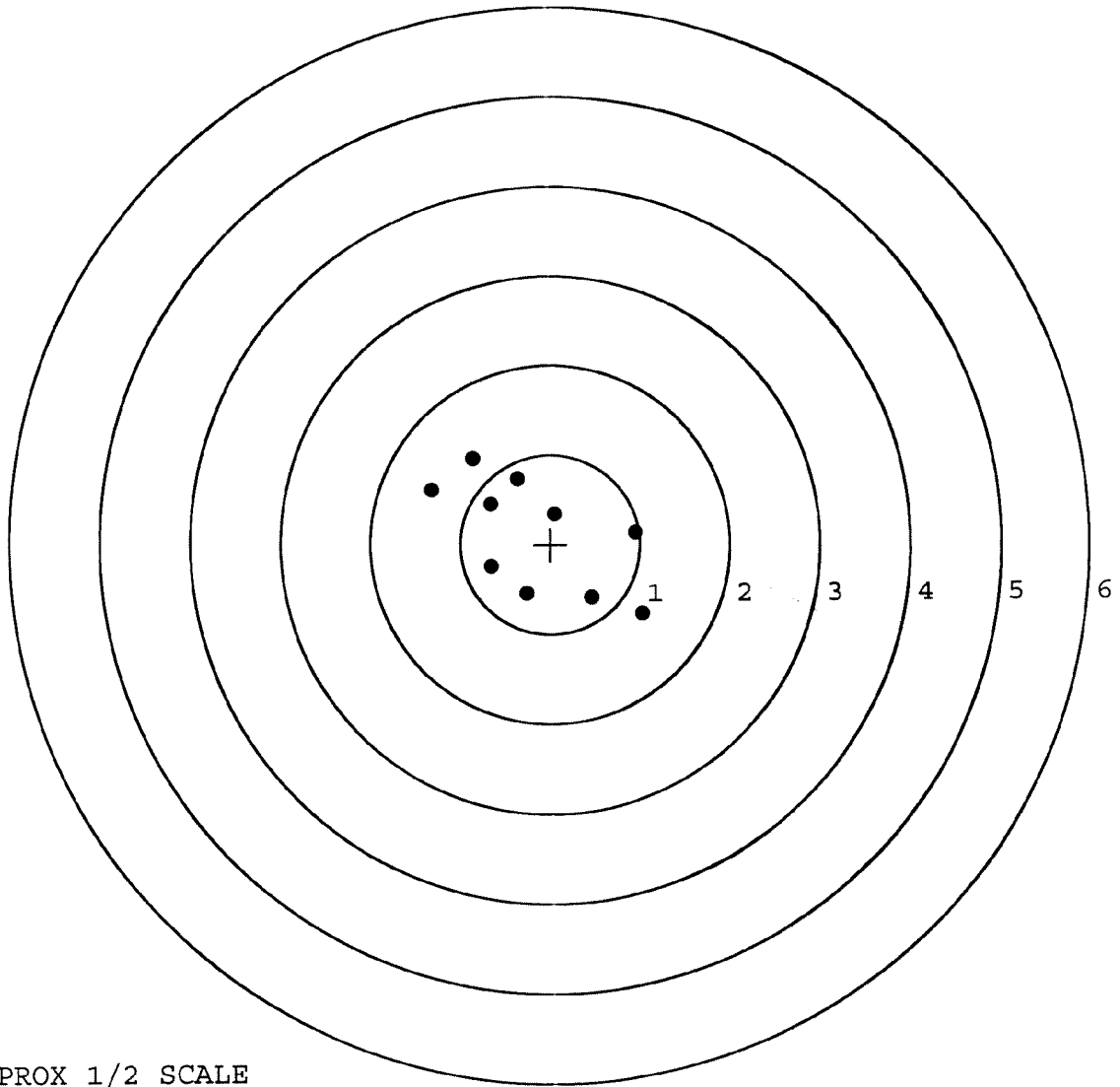


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498803. 0
 TARGET NUMBER: 3
 FILE DATE: 04/03/2008
 FILE TIME: 09:44

X CENTROID: -0.166
 Y CENTROID: 0.107
 POA TO CENTROID: 0.198
 HORZ SPREAD: 2.340
 VERT SPREAD: 1.746
 GROUP SPREAD: 2.726
 MIN RADIUS: 0.315
 MAX RADIUS: 1.485
 MEAN RADIUS: 0.876
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.950	0.129
2:	1.022	-0.783
3:	0.459	-0.596
4:	-0.270	-0.553
5:	-0.664	-0.242
6:	-1.318	0.615
7:	-0.665	0.460
8:	-0.857	0.963
9:	-0.366	0.737
10:	0.047	0.339

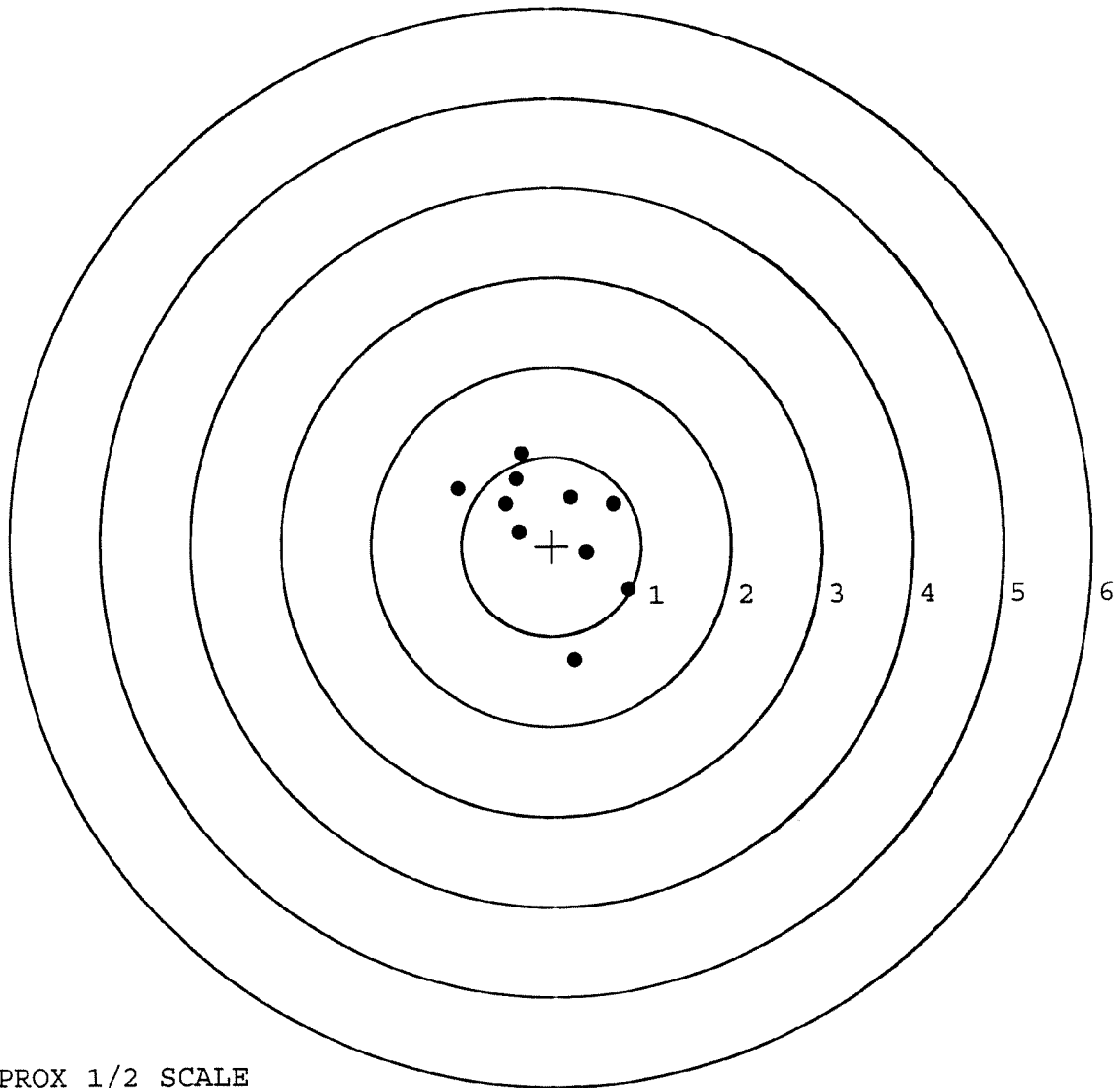


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498803. 0
 TARGET NUMBER: 4
 FILE DATE: 04/03/2008
 FILE TIME: 09:44

X CENTROID: -0.023
 Y CENTROID: 0.224
 POA TO CENTROID: 0.225
 HORZ SPREAD: 1.886
 VERT SPREAD: 2.309
 GROUP SPREAD: 2.382
 MIN RADIUS: 0.347
 MAX RADIUS: 1.523
 MEAN RADIUS: 0.783
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.221	0.545
2:	0.691	0.472
3:	0.391	-0.078
4:	0.849	-0.492
5:	0.252	-1.274
6:	-0.365	0.163
7:	-0.513	0.475
8:	-0.388	0.752
9:	-0.332	1.035
10:	-1.037	0.644



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498803. __0

TARGET NUMBER: 5

FILE DATE: 04/03/2008

FILE TIME: 09:44

X CENTROID: -0.038

Y CENTROID: 0.278

POA TO CENTROID: 0.281

HORZ SPREAD: 2.505

VERT SPREAD: 1.071

GROUP SPREAD: 2.507

MIN RADIUS: 0.069

MAX RADIUS: 1.305

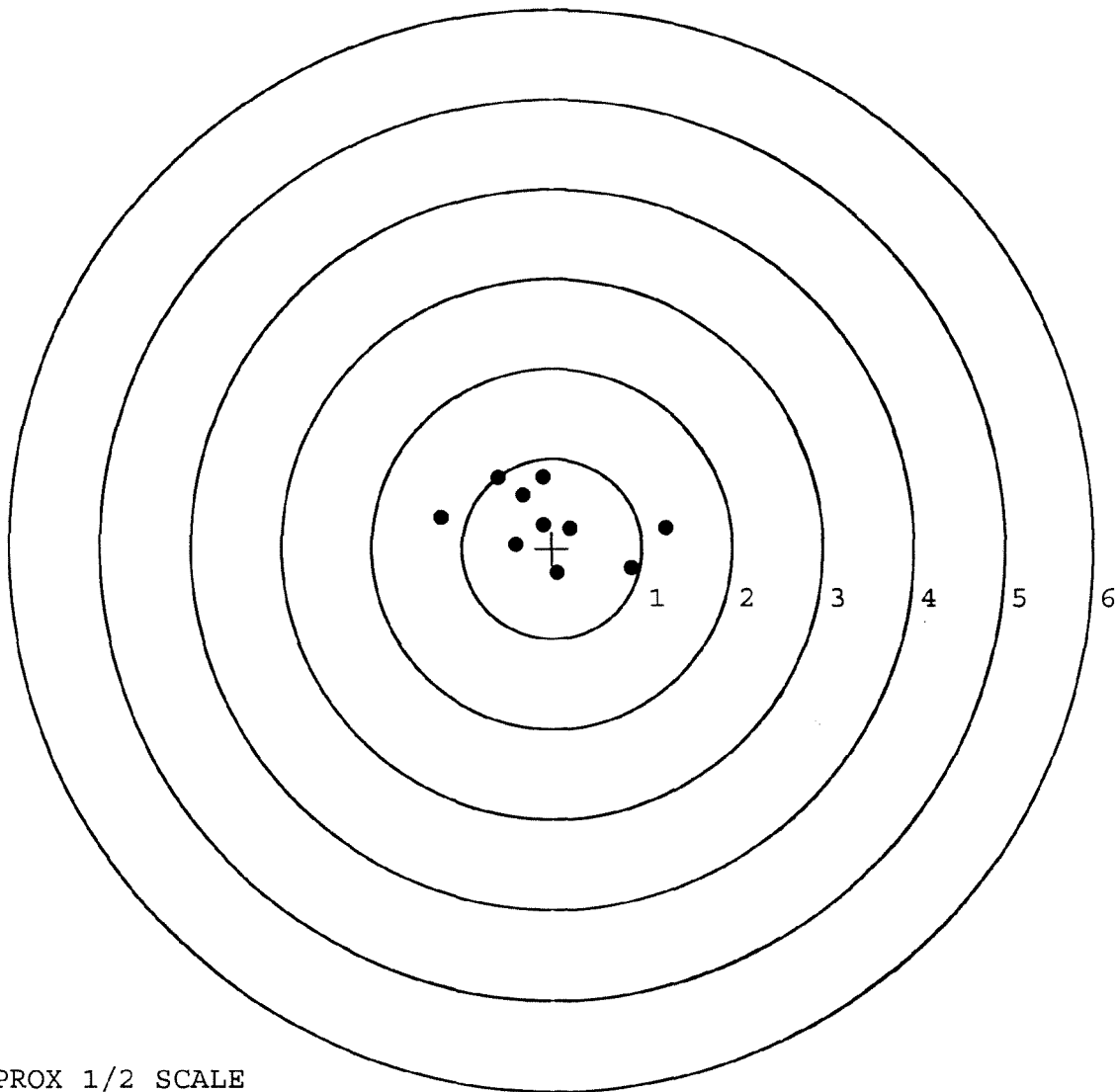
MEAN RADIUS: 0.657

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.104	0.792
2:	-0.331	0.595
3:	-0.604	0.789
4:	-1.239	0.341
5:	-0.400	0.042
6:	-0.106	0.266
7:	0.196	0.227
8:	0.059	-0.279
9:	0.881	-0.224
10:	1.266	0.233



TARGET APPROX 1/2 SCALE

Repair Inquiry

Repair Number: RE00092979

Serial: C6498803 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 02/19/1990

Repairman:

Status:

Closed: 2/11/2005 7:30:41 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:

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

Good

Condition:

Notes:

CSR:

Notes:

Accessories Received

Code	Base	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A023	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

mag: 1

2/14/2005

9:11 AM

CAPS

NUM

JNS

SCPL

start

5

2

3

Arms Services

Serial Number:

C6498803

Model: M24 SWS



RE00092979

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498803.___0
FILE DATE AND TIME: 04/05/2005 08:05

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.034
The Average Y Centroid of the Five Target Set:	-0.025
The Average Point of Impact of the Five Target Set:	0.042
The Average Mean Radius of the Five Target Set:	1.117
The Distance from POA to Centroid Target #1:	0.325
The Distance from Centroid Target #2 to Centroid Target #1:	0.239
The Distance from Centroid Target #3 to Centroid Target #1:	0.393
The Distance from Centroid Target #4 to Centroid Target #1:	0.314
The Distance from Centroid Target #5 to Centroid Target #1:	0.666

SERIAL NUMBER: C6498803. __0

TARGET NUMBER: 1

FILE DATE: 04/05/2005

FILE TIME: 08:05

X CENTROID: -0.323

Y CENTROID: 0.034

POA TO CENTROID: 0.325

HORZ SPREAD: 1.932

VERT SPREAD: 4.304

GROUP SPREAD: 4.377

MIN RADIUS: 0.485

MAX RADIUS: 2.273

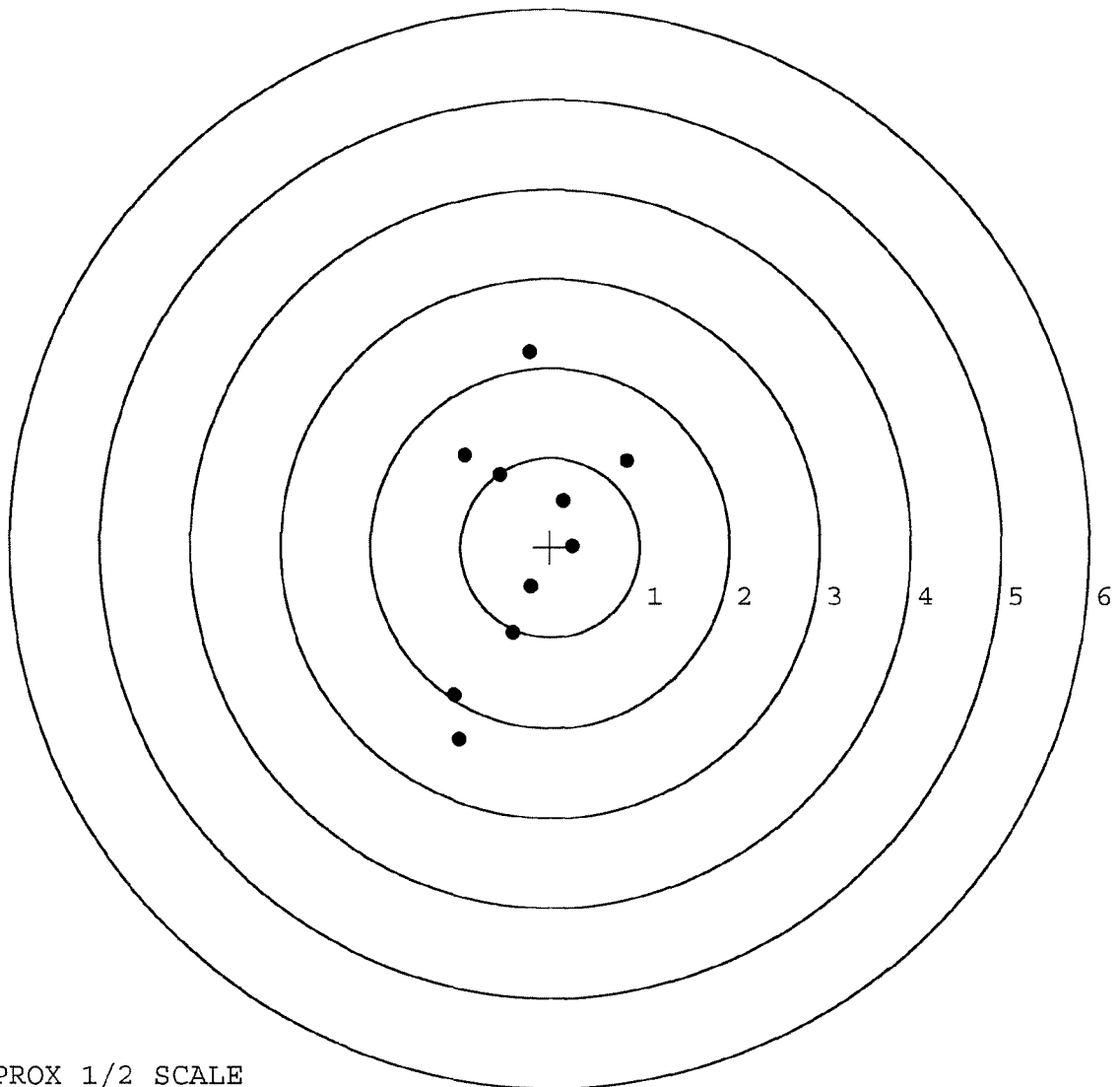
MEAN RADIUS: 1.248

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.860	0.965
2:	0.250	0.009
3:	-0.226	-0.441
4:	-0.426	-0.959
5:	-1.072	-1.642
6:	-1.021	-2.129
7:	-0.560	0.810
8:	-0.951	1.030
9:	-0.227	2.175
10:	0.142	0.526



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498803. __0

TARGET NUMBER: 2

FILE DATE: 04/05/2005

FILE TIME: 08:05

X CENTROID: -0.147

Y CENTROID: 0.195

POA TO CENTROID: 0.244

HORZ SPREAD: 2.114

VERT SPREAD: 3.190

GROUP SPREAD: 3.646

MIN RADIUS: 0.178

MAX RADIUS: 1.889

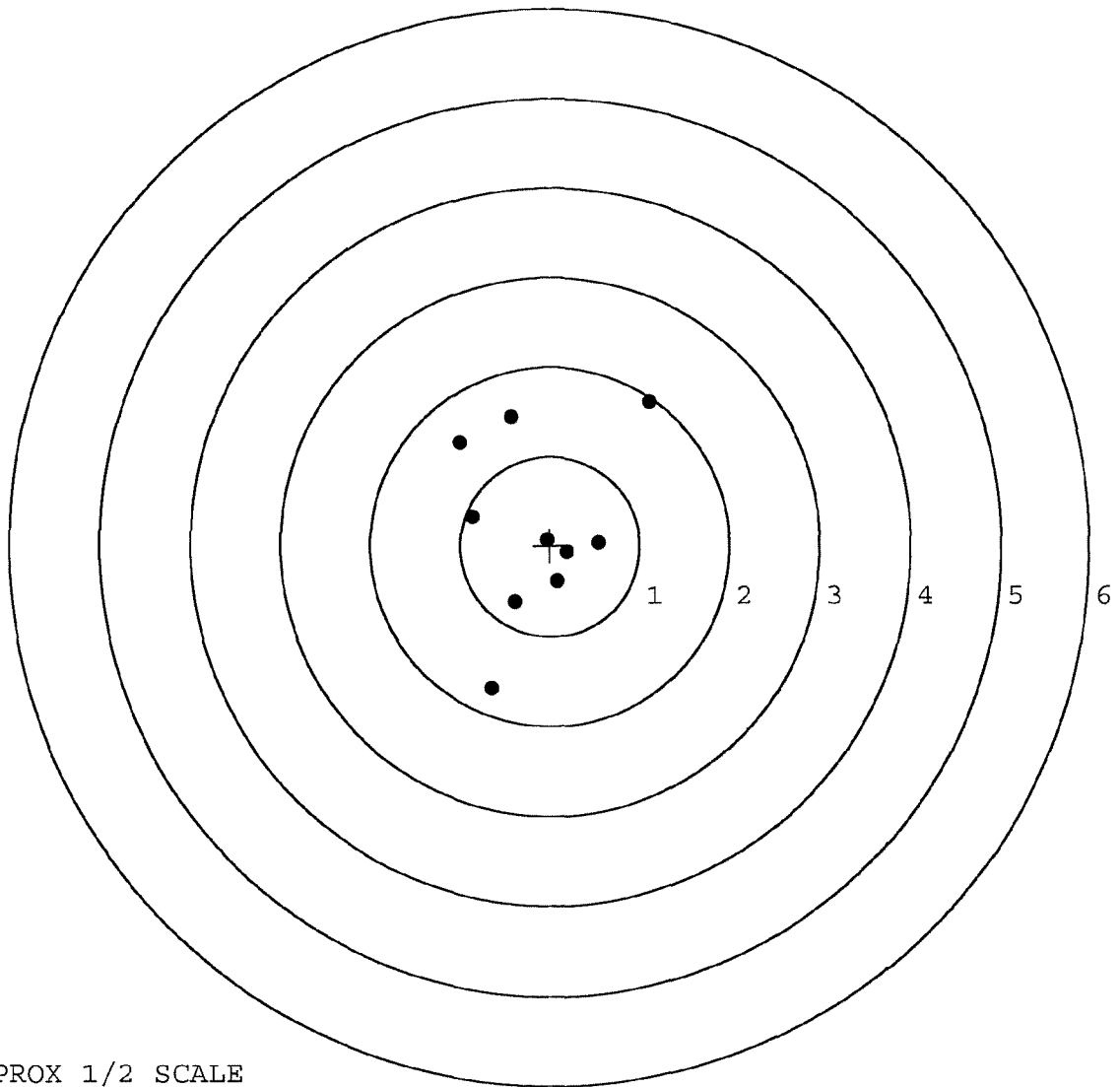
MEAN RADIUS: 0.985

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.657	-1.583
2:	-0.398	-0.624
3:	1.108	1.607
4:	-0.435	1.444
5:	-1.006	1.158
6:	-0.867	0.326
7:	0.084	-0.395
8:	0.544	0.034
9:	-0.029	0.062
10:	0.188	-0.075



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498803. 0

TARGET NUMBER: 3

FILE DATE: 04/05/2005

FILE TIME: 08:05

X CENTROID: 0.049

Y CENTROID: -0.092

POA TO CENTROID: 0.104

HORZ SPREAD: 2.793

VERT SPREAD: 2.472

GROUP SPREAD: 3.336

MIN RADIUS: 0.413

MAX RADIUS: 2.041

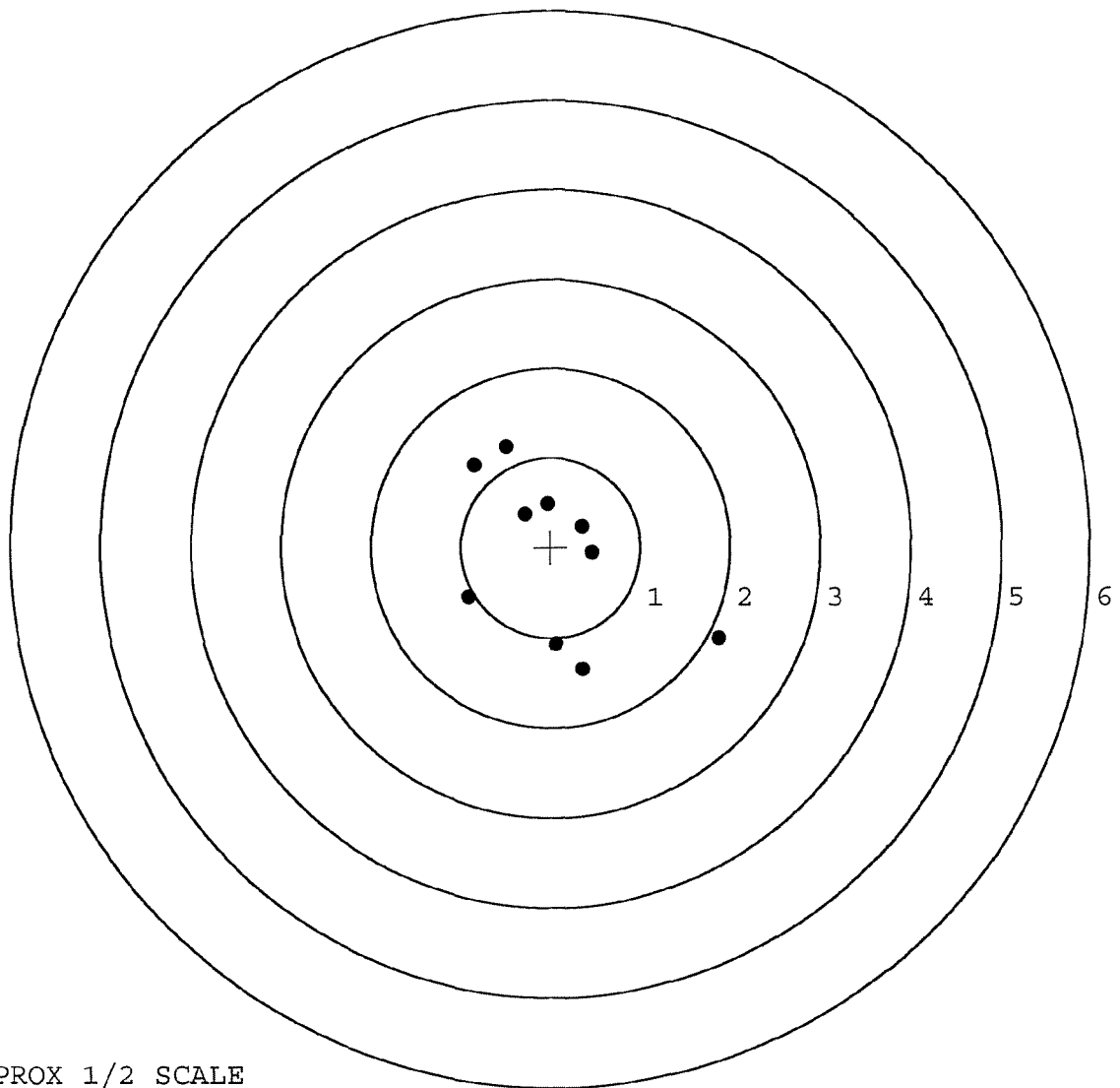
MEAN RADIUS: 1.009

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.873	-1.008
2:	0.354	-1.352
3:	0.054	-1.077
4:	-0.920	-0.549
5:	0.461	-0.058
6:	0.351	0.238
7:	-0.291	0.369
8:	-0.037	0.485
9:	-0.499	1.120
10:	-0.852	0.917



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498803. __0

TARGET NUMBER: 4

FILE DATE: 04/05/2005

FILE TIME: 08:05

X CENTROID: -0.010

Y CENTROID: 0.021

POA TO CENTROID: 0.023

HORZ SPREAD: 2.607

VERT SPREAD: 4.315

GROUP SPREAD: 4.809

MIN RADIUS: 0.230

MAX RADIUS: 2.555

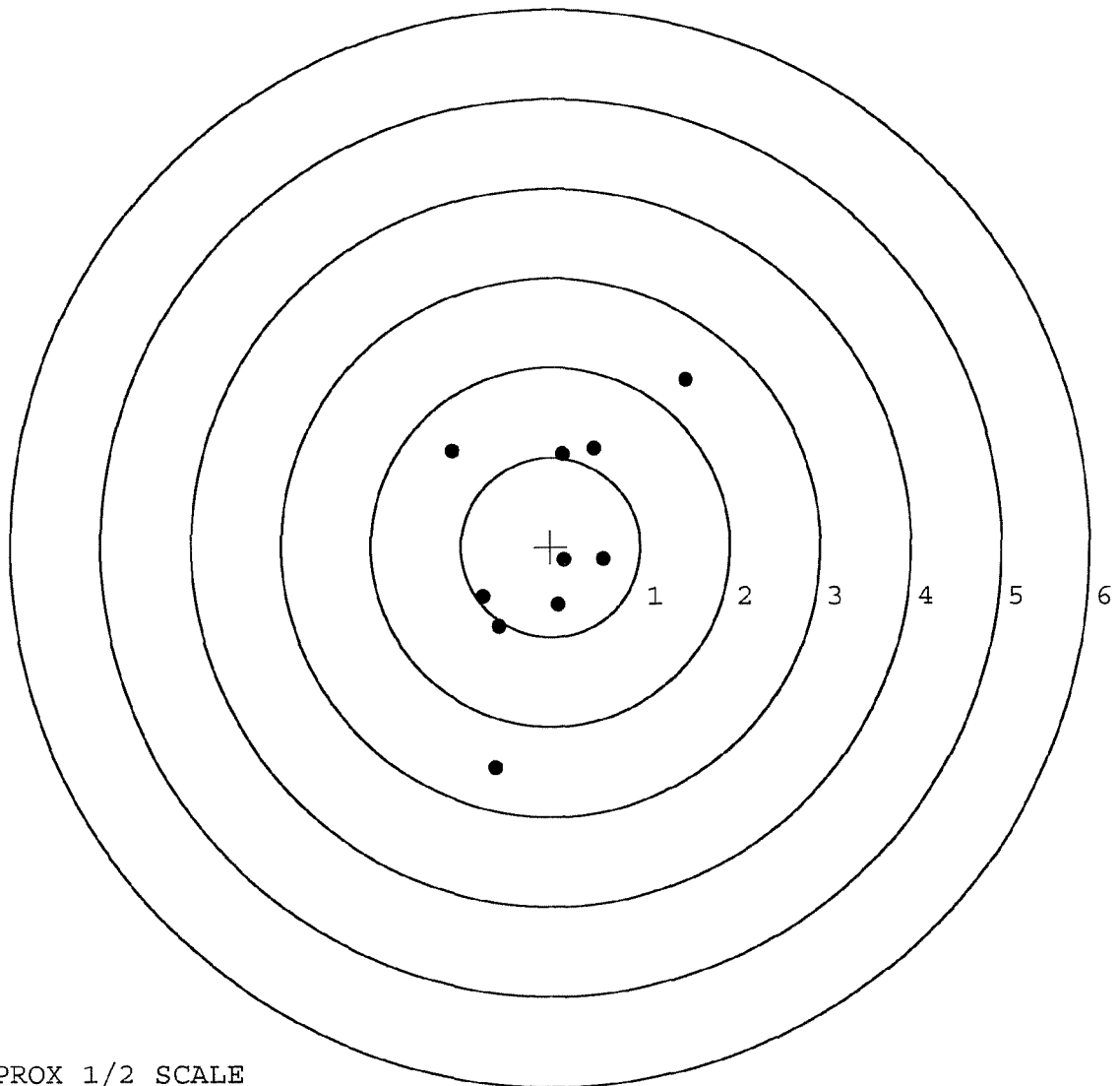
MEAN RADIUS: 1.220

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.616	-2.461
2:	-0.585	-0.893
3:	-0.755	-0.560
4:	0.084	-0.647
5:	0.151	-0.144
6:	0.588	-0.139
7:	0.487	1.103
8:	0.139	1.035
9:	-1.099	1.061
10:	1.508	1.854



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498803. __0

TARGET NUMBER: 5

FILE DATE: 04/05/2005

FILE TIME: 08:05

X CENTROID: 0.262

Y CENTROID: -0.284

POA TO CENTROID: 0.386

HORZ SPREAD: 1.428

VERT SPREAD: 3.201

GROUP SPREAD: 3.325

MIN RADIUS: 0.244

MAX RADIUS: 1.931

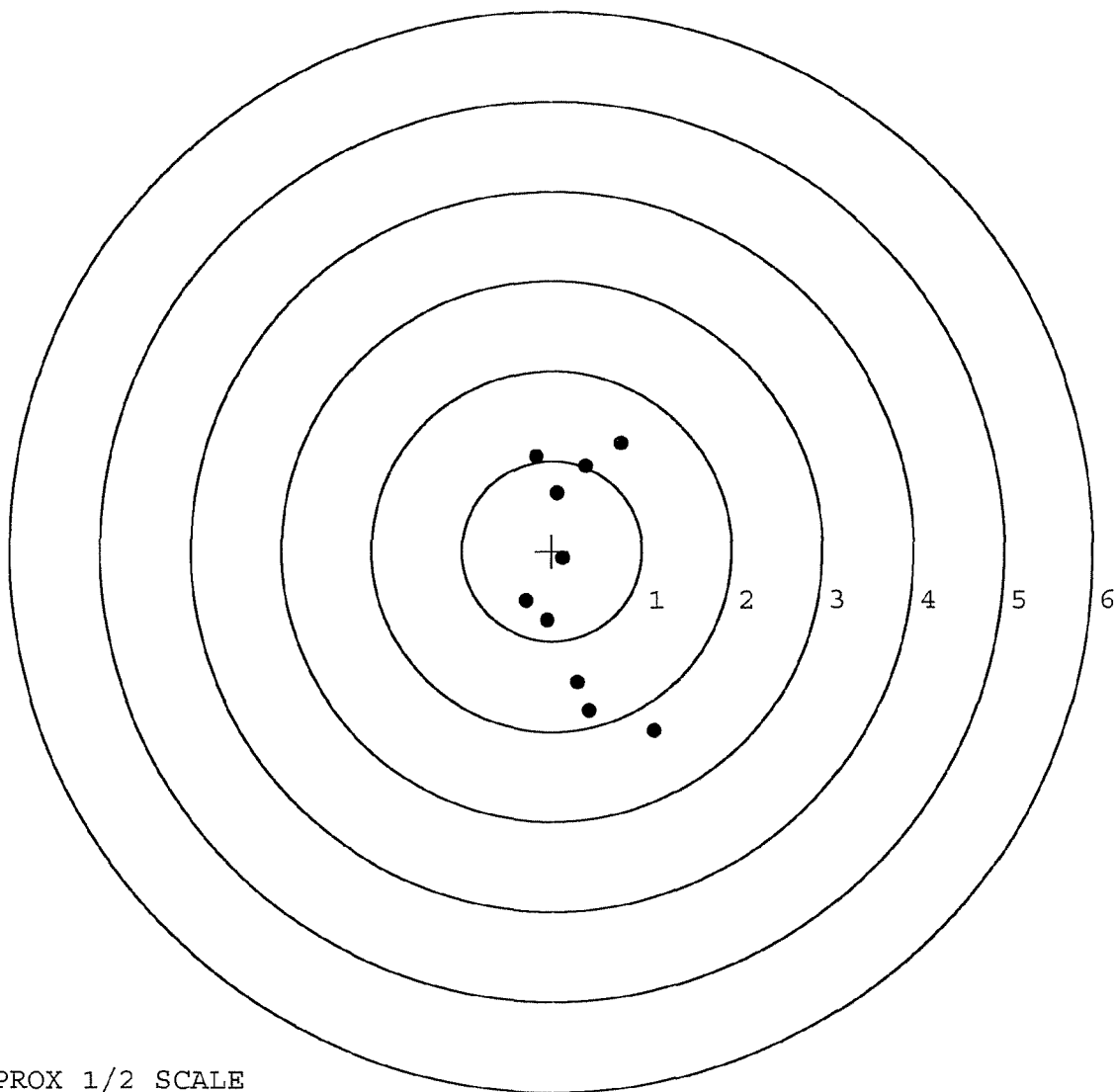
MEAN RADIUS: 1.122

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.135	-2.006
2:	0.413	-1.780
3:	0.276	-1.465
4:	-0.056	-0.776
5:	-0.293	-0.558
6:	0.120	-0.085
7:	0.058	0.643
8:	0.375	0.945
9:	-0.175	1.050
10:	0.771	1.195



TARGET APPROX 1/2 SCALE

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

2-15-05

TESTER

TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.56	2.25		2.24	
PULL #2	2.63	2.26		2.23	
PULL #3	2.71	2.36		2.13	
PULL #4	2.72	2.31		2.08	
PULL #5	2.71	2.37		2.15	
TOTAL	13.33	11.55		10.83	
AVERAGE	2.66	2.31		2.16	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.15		
PULL #2	3.28	3.13		
PULL #3	3.26	2.92		
PULL #4	3.28	3.14		
PULL #5	3.19	3.06		
TOTAL	16.27	15.40		
AVERAGE	3.25	3.08		

	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	4.39	4.22		4.29
PULL #2	4.46	4.17		4.27
PULL #3	4.41	4.20		4.24
PULL #4	4.38	3.98		4.22
PULL #5	4.45	3.96		4.17
TOTAL	22.09	20.53		21.19
AVERAGE	4.41	4.10		4.23

R & E NUMBER	92979		
SERIAL NUMBER	C6498803		
LOG-IN DATE	2-11-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-18-05	RTL
560 A	RE-BARREL	2-22-05	RTL
B	DRILL AND TAP	2-28-05	TRW
575	ASSEMBLE	2-23-05	RTL
600	PROOF	2-24-05	AC
605	CHECK HEADSPACE	2-24-05	AC
610	DIS-ASSEMBLE GUN	2-24-05	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	3-1-05	CW
618	ROTO-BLAST	3-3-05	LB
620	APPLY COATINGS	3/10/05	HP
625 A	FINAL ASSEMBLY	3-30-05	RTL
B	TRIGGER PULL TEST	4-8-05	TRW
C	SAFETY "ON" FORCE	4-8-05	AC
D	SAFETY "OFF" FORCE	4-8-05	AC
E	FIRING PIN INDENT	4-8-05	AC
640	TARGET	4-5-05	AC
655	FINAL INSPECT	4-8-05	TRW
660	PACK	4-25-05	OA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington



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

MODEL 700™ H24

SERIAL NO.
C6498803

ORDER NO.
5716

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

01



5716 C6498803

UPC



BARBER - M24 0008025

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 000802508064

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498803

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	FB
618	Polish Barrel RW		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-1-90	HL

BARBER - M24 0008027

BARBER - M24 0008027								
op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 3/4	3 3/4	3 3/4			6/4/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			6/4/90	WB
	H) Trigger Pull Test & Retainability						6-1-90	JH
	I) Firing Pin Indent	.0235	.024	.024			6/4/90	WB
	J) Assemble Stock						6/7/90	RW
	K) Assemble Swivel Studs						6-8-90	JD
	L) Attach Front and Rear Sight Assemblies						6/7/90	RW
	M) Iron Sight Alignment						6/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/7/90	RW
	O) Attach Scope to Rifle						6/7/90	WB
	P) Detach & Attach Scope 20 Times						6/7/90	WB
640	Gallery Target & Test						6-7-90	AC
	A) Time						6-7-90	AC
	B) Malfunctions						6-7-90	AC
	C) Pierced Primers						6-7-90	AC
	D) Optical Clarity of Scope						6-7-90	AC
645	Inspect for Live Ammo						6-7-90	AC
655	Final Inspection							
	A) Headspace						6-8-90	JD
	B) Trigger Pull	246	247	244	243	251	6-8-90	JD
	C) Function						6-8-90	JD
660	Pack						6-9-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. 06498803DATE 6-1-90TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.14	2.19	2.20	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.26	2.38	2.30	2.47	
PULL #3	2.27	2.32	2.34	2.44	
PULL #4	2.22	2.33	2.31	2.43	
PULL #5	2.28	2.28	2.42	2.51	
TOTAL	11.17	11.50	11.57		
AVG.	2.234	2.3	2.314		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.32		
PULL #2	3.18	3.20		
PULL #3	3.40	3.12		
PULL #4	3.31	3.24		
PULL #5	3.38	3.24		
TOTAL	16.56	16.12		
AVG.	3.312	3.224		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.43		4.49
PULL #2	4.45	4.44		4.44
PULL #3	4.43	4.39		4.48
PULL #4	4.48	4.33		4.50
PULL #5	4.35	4.40		4.45
TOTAL	22.14	21.99		22.39
AVG.	4.428	4.398		4.478

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498803
7 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.346433
1 TO	2	.434839
1 TO	3	.335292
1 TO	4	.137277
1 TO	5	.523955

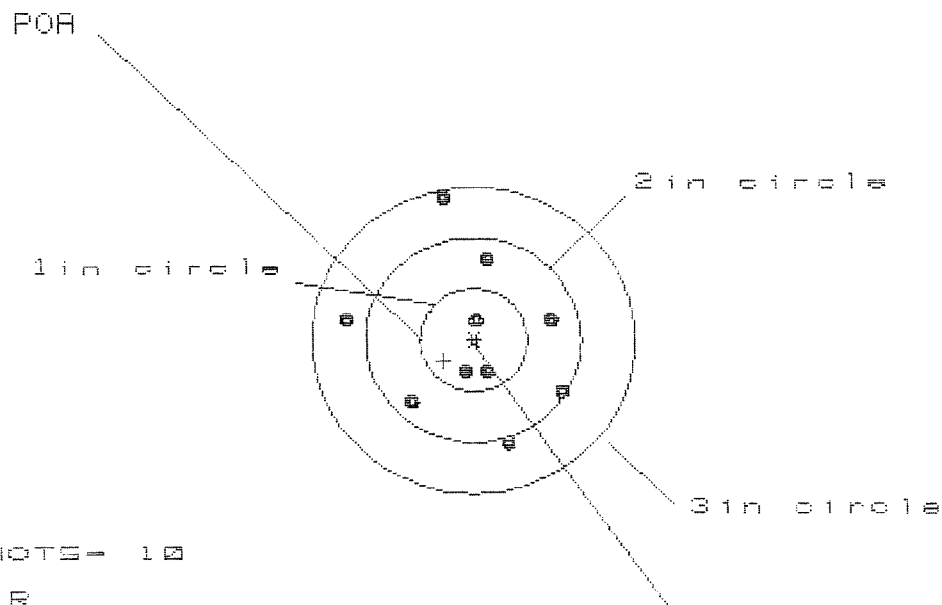
σ^2_5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1892
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0212
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .198384
THE AMR FOR THIS RIFLE IS: .85

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498803

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.036

VS= 2.398

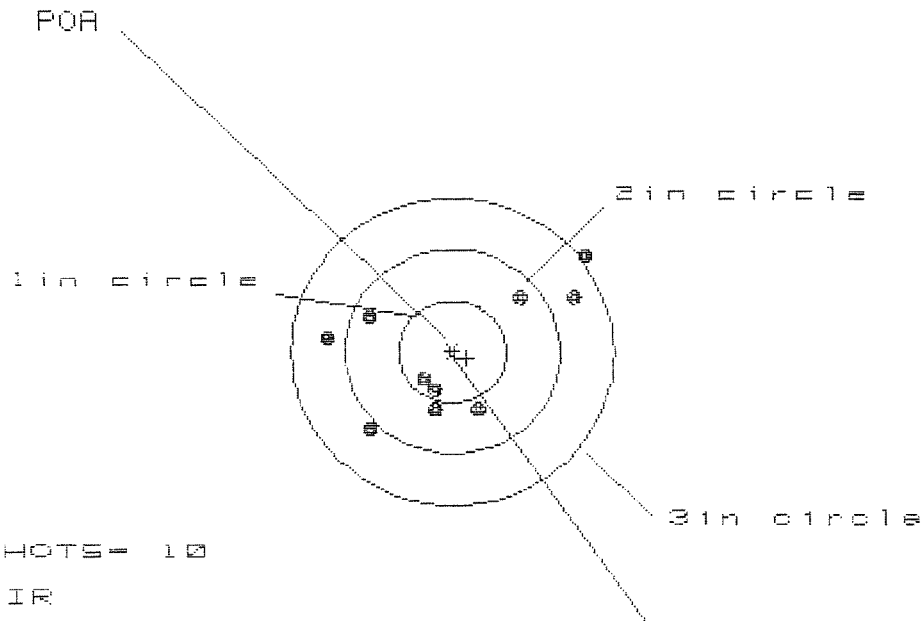
GS= 2.457

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.863	.835	.685
MINIMUM X	-1.173	-1.201	-.717
MAXIMUM Y	1.403	.911	.950
MINIMUM Y	-.996	-.840	-.801
CENTROID X	.280	.308	.458
CENTROID Y	.204	.049	.010
POA TO CENTROID in.	.347	.312	.458
MIN RADIUS	.241	.152	.149
MEAN RADIUS	.778	.680	.606
MAX RADIUS	1.424	1.240	.953
HORIZONTAL SPREAD	2.036	2.036	1.402
VERTICAL SPREAD	2.398	1.751	1.751
EXTREME SPREAD	2.457	2.145	1.761
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

7 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C849B003

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.308

VS= 1.697

GS= 2.560

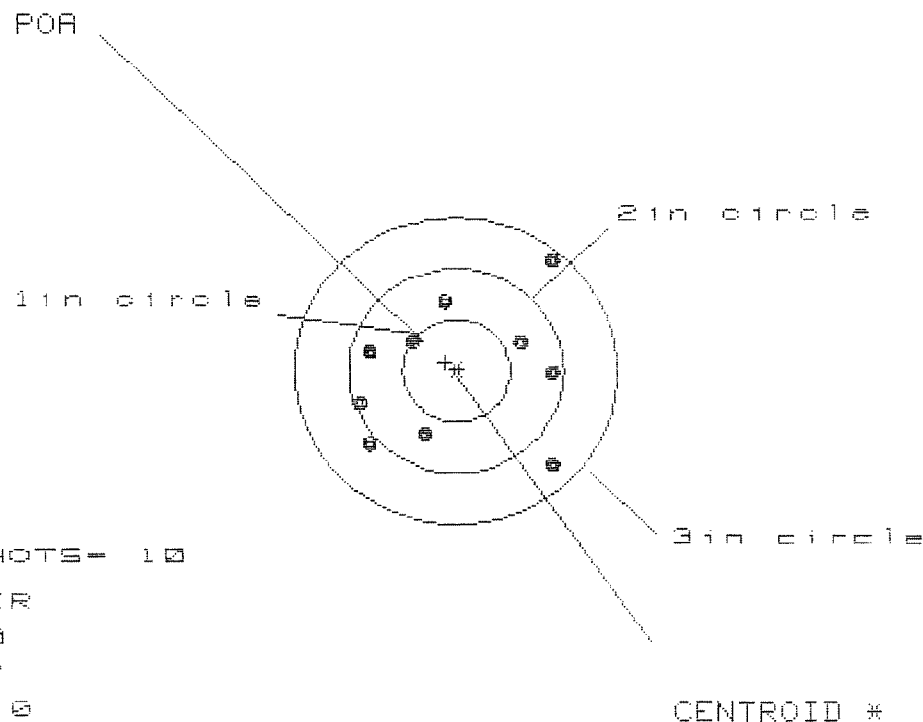
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.189	1.218	.949
MINIMUM X	:	-1.120	-.988	-.835
MAXIMUM Y	:	.938	.666	.748
MINIMUM Y	:	-.759	-.655	-.573
CENTROID X	:	-.131	-.263	-.415
CENTROID Y	:	.062	-.042	-.124
POA TO CENTROID in.	:	.145	.267	.434
MIN RADIUS	:	.324	.159	.074
MEAN RADIUS	:	.863	.739	.616
MAX RADIUS	:	1.514	1.384	1.208
HORIZONTAL SPREAD	:	2.309	2.206	1.784
VERTICAL SPREAD	:	1.697	1.321	1.321
EXTREME SPREAD	:	2.560	2.248	1.919
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B883

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 0

2in = 7

3in = 10

HS= 1.853

VS= 2.045

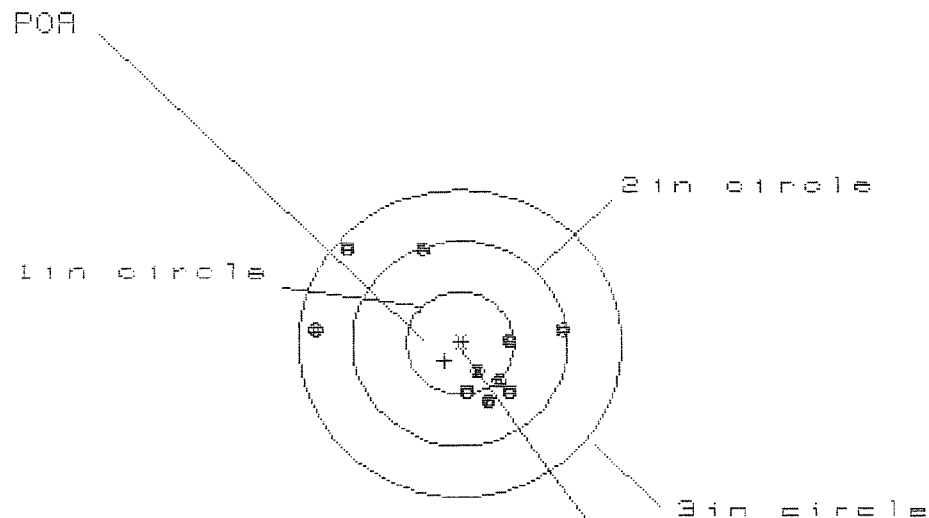
GS= 2.530

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.938	1.040	1.169
MINIMUM X	-.915	-.813	-.684
MAXIMUM Y	1.112	.812	.711
MINIMUM Y	-.933	-.810	-.677
CENTROID X	.105	.003	-.126
CENTROID Y	-.082	-.205	-.104
POA TO CENTROID in.	.133	.205	.153
MIN RADIUS	.506	.519	.362
MEAN RADIUS	.909	.836	.743
MAX RADIUS	1.439	1.314	1.169
HORIZONTAL SPREAD	1.853	1.853	1.853
VERTICAL SPREAD	2.045	1.622	1.388
EXTREME SPREAD	2.530	2.018	1.927
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498803

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.313

VS= 1.559

GS= 2.313

CENTROID *

PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.996	.883	.784
MINIMUM X	-1.317	-1.430	-.658
MAXIMUM Y	.950	1.051	1.082
MINIMUM Y	-.609	-.508	-.477
CENTROID X	.147	.260	.439
CENTROID Y	.170	.069	.038
POA TO CENTROID in.	.224	.269	.440
MIN RADIUS	.353	.217	.219
MEAN RADIUS	.784	.656	.585
MAX RADIUS	1.368	1.451	1.266
HORIZONTAL SPREAD	2.313	2.313	1.362
VERTICAL SPREAD	1.559	1.559	1.559
EXTREME SPREAD	2.313	2.313	1.669
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498883

CENTERFIRE PATTERNS # 5

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.246

VS= 2.095

GS= 2.285

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.344	.940	.860
MINIMUM X	:	-.902	-.752	-.832
MAXIMUM Y	:	1.136	1.152	1.276
MINIMUM Y	:	-.959	-.943	-.819
CENTROID X	:	.545	.395	.475
CENTROID Y	:	-.248	-.264	-.388
POR TO CENTROID in.	:	.598	.475	.613
MIN RADIUS	:	.157	.232	.306
MEAN RADIUS	:	.916	.857	.813
MAX RADIUS	:	1.353	1.178	1.282
HORIZONTAL SPREAD	:	2.246	1.692	1.692
VERTICAL SPREAD	:	2.095	2.095	2.095
EXTREME SPREAD	:	2.285	2.207	2.133
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	