

C6348946

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington.



RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

870 - TRAVEL POLICY

COPY "O" (OFFICIAL) ☒ "X" (EXTRA) ☐

TOTAL RETENTION: UNTIL SUPERSEDED

OR OBSOLETE

GS-11050 Rev. 8/78

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400042335




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

REG. U.S. PAT. & TM. OFF.

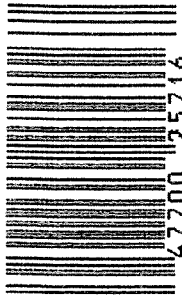
MODEL 700™ M24

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

SERIAL NO.
C6348946

ORDER NO.
5716

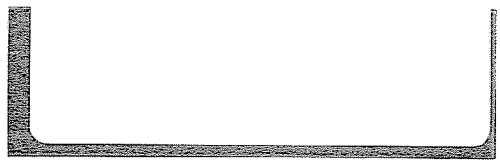
UPC



0 47700 25716 7



5716 C6348946



GUN SERIAL # C6348946

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action		11/2/89	KCR
	Magnaflux Bolt		11/2/89	KCR
615	Rollmark Caliber		11/2/89	G.S.
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-8-89	A
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-8-89	A
	C) Inspect Ejector Hole for Chamfer		11-8-89	AC
	D) Oil Firing Pin Ass'y		11-8-89	A
	E) Adjust Trigger Pull to Min Setting and Stake		11/6/89	928

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			16/10/89	JS
	G) Safety Off Force	4	3	3			16/10/89	JS
	H) Trigger Pull Test & Retainability						16/10/89	JS
	I) Firing Pin Indent	.0205	.0205	.020			16/10/89	JS
	J) Assemble Stock						11-17-89	AC
	K) Assemble Swivel Studs						28/10/89	JS
	L) Attach Front and Rear Sight Assemblies						11-17-89	AC
	M) Iron Sight Alignment						11-17-89	AC
	N) Detach Front & Rear Sights & place in numbered container						11-17-89	AC
	O) Attach Scope to Rifle						27/10/89	JS
	P) Detach & Attach Scope 20 Times						27/10/89	JS
640	Gallery Target & Test						11-28-89	AC
	A) Time						11-28-89	AC
	B) Malfunctions						11-28-89	AC
	C) Pierced Primers						11-28-89	AC
	D) Optical Clarity of Scope						11-28-89	AC
645	Inspect for Live Ammo						11-28-89	AC
655	Final Inspection							
	A) Headspace						28/10/89	JS
	B) Trigger Pull	2.42	2.56	2.50	2.48	2.49	28/10/89	JS
	C) Function						28/10/89	JS
660	Pack						18 Dec 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 66348946

DATE 4-9-90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.47	2.50	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.49	2.52	
PULL #3	2.44	2.57	2.54	
PULL #4	2.45	2.52	2.34	
PULL #5	2.49	2.53	2.49	
TOTAL	12.29	12.61	12.42	
AVG.	2.458	2.522	2.484	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.51	3.55	
PULL #2	3.49	3.51	
PULL #3	3.52	3.45	
PULL #4	3.53	3.58	
PULL #5	3.51	3.47	
TOTAL	17.56	17.56	
AVG.	3.512	3.512	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.32		
PULL #2	4.37	4.38		
PULL #3	4.35	4.35		
PULL #4	4.35	4.42		
PULL #5	4.41	4.35		
TOTAL	21.84	21.82		
AVG.	4.368	4.364		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348946
28 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.189402
1 TO	2	.31868
1 TO	3	.601103
1 TO	4	.142594
1 TO	5	.468846

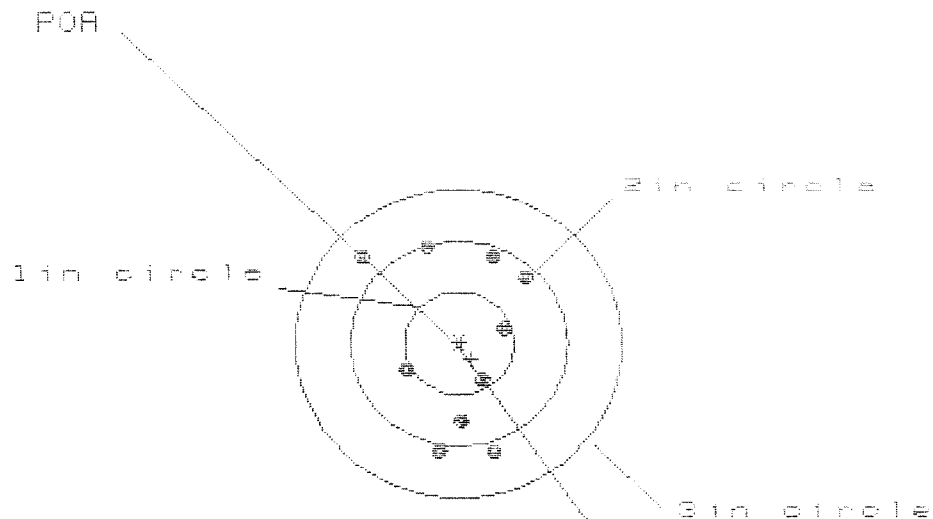
$\frac{S}{P}$ $\frac{H}{P}$ $\frac{C}{P}$ ---- POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2766
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1624
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .328751
THE ANR FOR THIS RIFLE IS: .9284

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C834B348

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.519

VS= 1.982

GS= 2.183

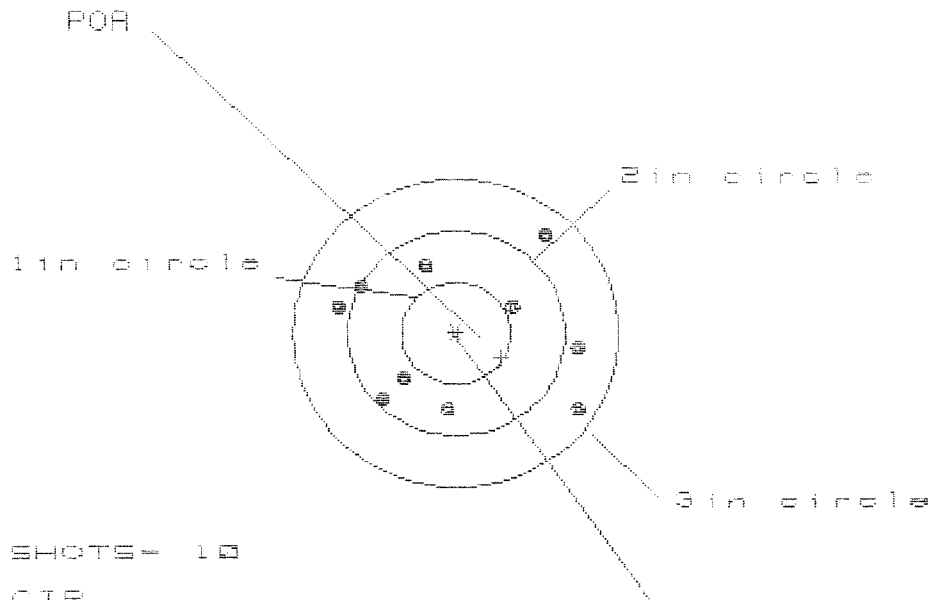
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.619	.519	.482
MINIMUM X	-.900	-.561	-.598
MAXIMUM Y	.945	1.036	.918
MINIMUM Y	-1.037	-.946	-1.040
CENTROID X	-.113	-.013	.024
CENTROID Y	.152	.061	.179
POA TO CENTROID in.	.189	.062	.180
MIN RADIUS	.408	.289	.307
MEAN RADIUS	.817	.751	.720
MAX RADIUS	1.217	1.102	1.051
HORIZONTAL SPREAD	1.519	1.080	1.080
VERTICAL SPREAD	1.982	1.982	1.958
EXTREME SPREAD	2.183	2.037	2.637
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

28 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C634B346

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.219

VS= 1.672

GS= 2.388

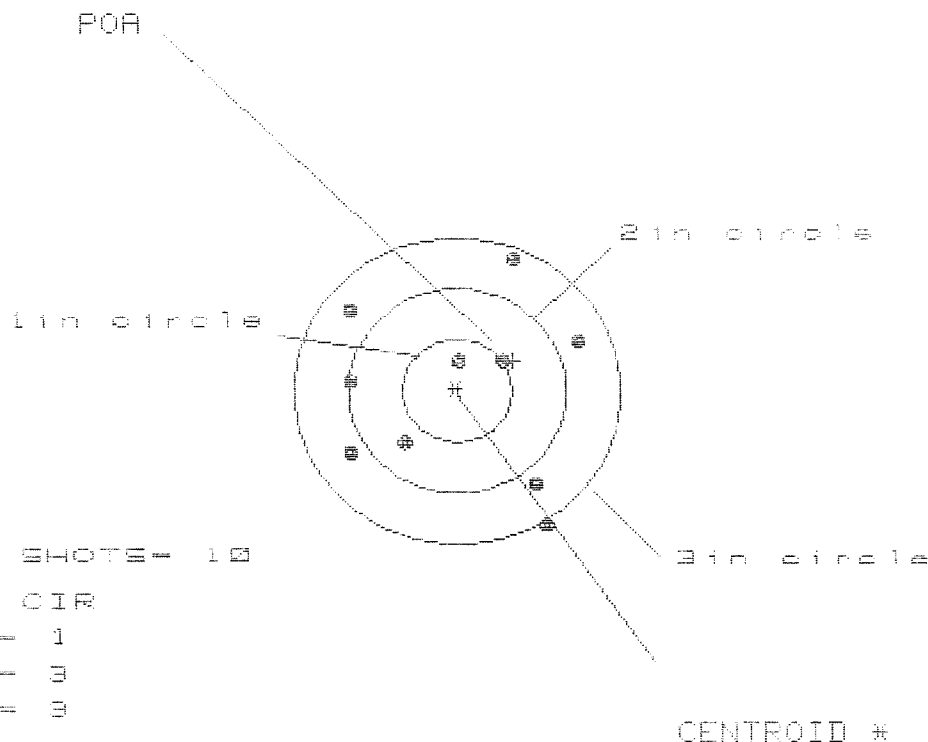
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.141	1.261	1.376
MINIMUM X	:	-1.078	-.958	-.843
MAXIMUM Y	:	.940	.858	.713
MINIMUM Y	:	-.732	-.781	-.673
CENTROID X	:	-.419	-.539	-.654
CENTROID Y	:	.241	.323	.215
POA TO CENTROID in.	:	.483	.628	.689
MIN RADIUS	:	.533	.591	.438
MEAN RADIUS	:	.937	.883	.812
MAX RADIUS	:	1.387	1.275	1.378
HORIZONTAL SPREAD	:	2.219	2.219	2.219
VERTICAL SPREAD	:	1.672	1.639	1.386
EXTREME SPREAD	:	2.388	2.253	2.253
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

26 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348946

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 3

HS= 2.161

VS= 2.574

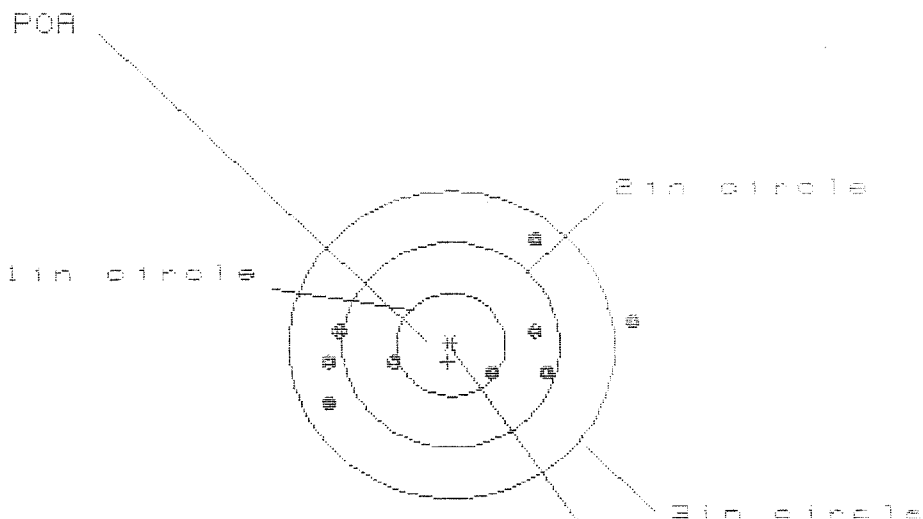
CS= 2.802

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.134	1.227	1.300
MINIMUM X	:	-1.027	-.934	-.861
MAXIMUM Y	:	1.302	1.161	.844
MINIMUM Y	:	-1.272	-1.022	-.877
CENTROID X	:	-.516	-.609	-.682
CENTROID Y	:	-.294	-.153	-.298
POA TO CENTROID in.	:	.594	.628	.744
MIN RADIUS	:	.287	.188	.341
MEAN RADIUS	:	1.029	.955	.912
MAX RADIUS	:	1.521	1.299	1.380
HORIZONTAL SPREAD	:	2.161	2.161	2.161
VERTICAL SPREAD	:	2.574	2.183	1.721
EXTREME SPREAD	:	2.802	2.427	2.406
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0634B946

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 2.832

VS = 1.651

GS = 2.967

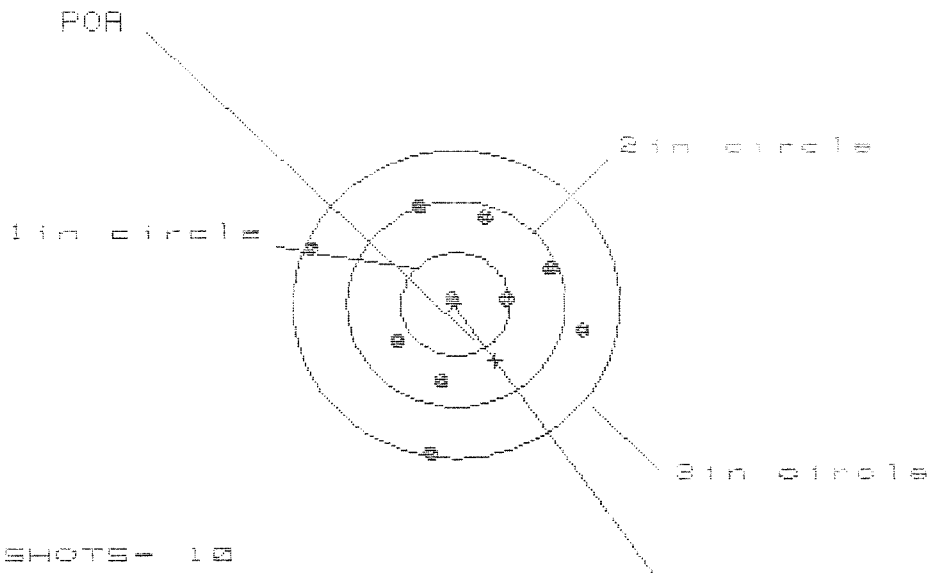
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.683	1.041	1.164
MINIMUM X	:	-1.149	-.962	-.839
MAXIMUM Y	:	1.038	1.068	.306
MINIMUM Y	:	-.613	-.583	-.450
CENTROID X	:	.029	-.158	-.281
CENTROID Y	:	.165	.135	.002
POA TO CENTROID in.	:	.168	.208	.282
MIN RADIUS	:	.410	.355	.196
MEAN RADIUS	:	.967	.856	.739
MAX RADIUS	:	1.705	1.454	1.166
HORIZONTAL SPREAD	:	2.832	2.003	2.003
VERTICAL SPREAD	:	1.651	1.651	.756
EXTREME SPREAD	:	2.967	2.554	2.042
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8548348

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.532

VS = 2.447

GS = 2.650

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.148	.995	.944
MINIMUM X	:	-1.384	-.693	-.744
MAXIMUM Y	:	.991	1.050	.875
MINIMUM Y	:	-1.456	-1.397	-.864
CENTROID X	:	-.364	-.211	-.160
CENTROID Y	:	.548	.489	.664
POA TO CENTROID in.	:	.658	.533	.683
MIN RADIUS	:	.115	.272	.244
MEAN RADIUS	:	.892	.821	.721
MAX RADIUS	:	1.481	1.454	1.030
HORIZONTAL SPREAD	:	2.532	1.688	1.688
VERTICAL SPREAD	:	2.447	2.447	1.739
EXTREME SPREAD	:	2.650	2.449	1.940
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

Arms Services Repair & Estimate System

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

Repair Inquiry

Repair Number: RE00153047

Serial: C6348946 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/13/1989

Repairman:

Status: Closed 10/9/2008 10:13:22 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: GSC 7TH SFG

GSC 7TH SFG

Address 1: BLDG E-3928 77TH SFWAY

BLDG E-3928 77TH SFWAY

Address 2: PO Box:

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 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
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglelj

10/14/2008

9:46 AM

CAPS

NUM

INS

SCRL



Serial Number: **C6348946**
 Model **M24 SWS**

RE00153047

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

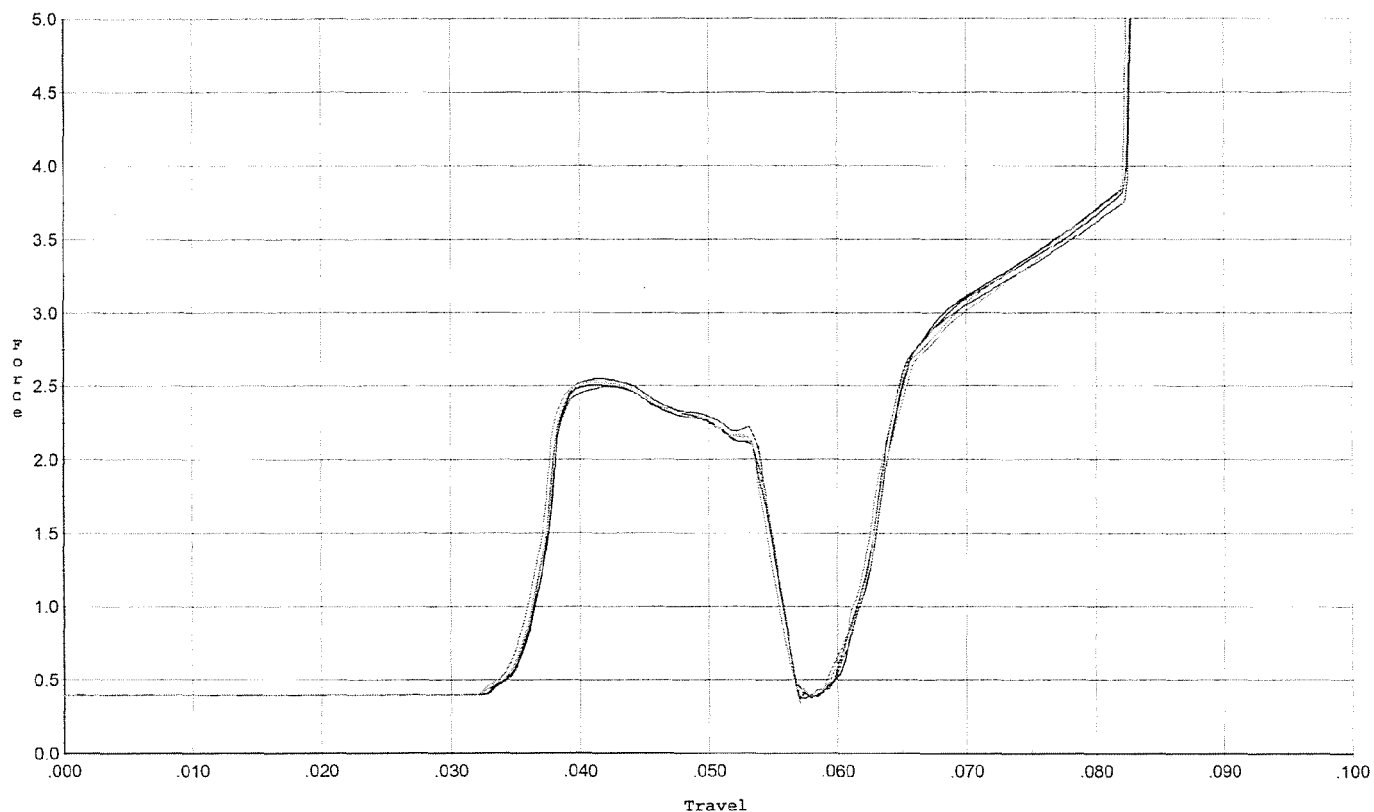
R & E NUMBER 153047
SERIAL NUMBER C6348946
LOG-IN DATE 10-9-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	10-17-08	RTZ
505	RE-BARREL	10-21-08	RTZ
560	ASSEMBLE	10-21-08	RTZ
600	PROOF	10-21-08	RTZ
605	CHECK HEADSPACE	10-21-08	RTZ
610	DIS-ASSEMBLE GUN	10-21-08	RTZ
612	MAGNAFLUX	10-24-08	RTZ
510	DRILL AND TAP	10-22-08	RTZ
615	ROLLMARK CALIBER	10-24-08	RTZ
618	ROTO-BLAST		
620	APPLY COATINGS	10-28	RTZ
625	FINAL ASSEMBLY	11-3-08	RTZ
640	FUNCTION TEST AND	PASS FAIL	
650	TARGET	PASS FAIL	11-4-08 RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	11-4-08 RTZ
670	FINAL INSPECTION		11-5-08 R.D.
	A) HEADSPACE	PASS FAIL	11-5-08 RTZ
	B) TRIGGER PULL	2.84 2.84 2.76 2.66 2.64	11-4-08 RTZ
680	F) SAFETY ON FORCE	4.0 4.0 4.5	11-5-08 R.D.
	G) SAFETY OFF FORCE	5.0 6.0 6.0	11-5-08 R.D.
	I) FIRING PIN INDENT	.022 .022 .022	11-5-08 R.D.
690	PACK		11/1/08 Fm

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/10/08

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



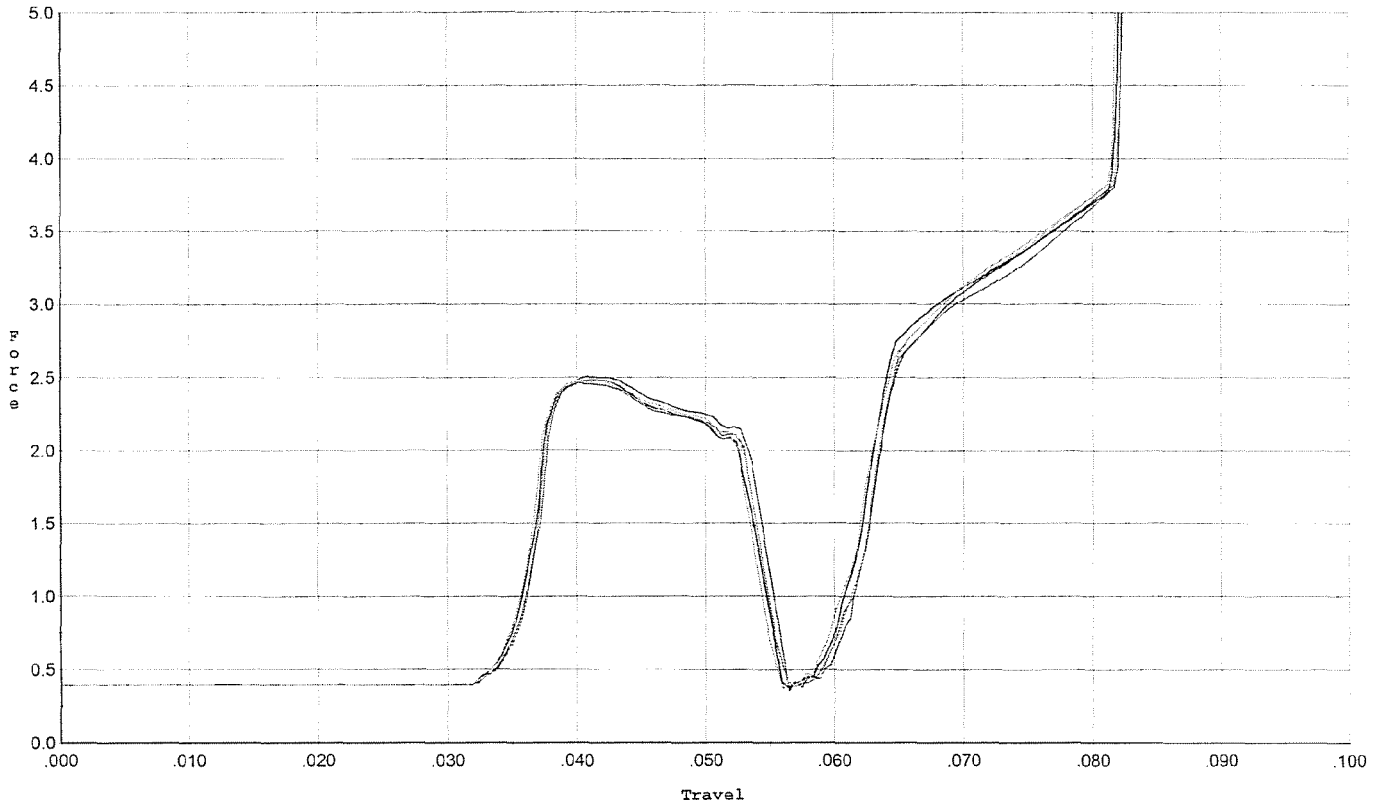
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.551	0.055	0.035	0.035	0.056		Set Trigger
2	2.507	0.054	0.035	0.035	0.055		Set Trigger
3	2.493	0.054	0.035	0.035	0.055		Set Trigger
4	2.535	0.054	0.035	0.035	0.056		Set Trigger
5	2.520	0.053	0.035	0.035	0.055		Set Trigger

Avg 2.52

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/10/08

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



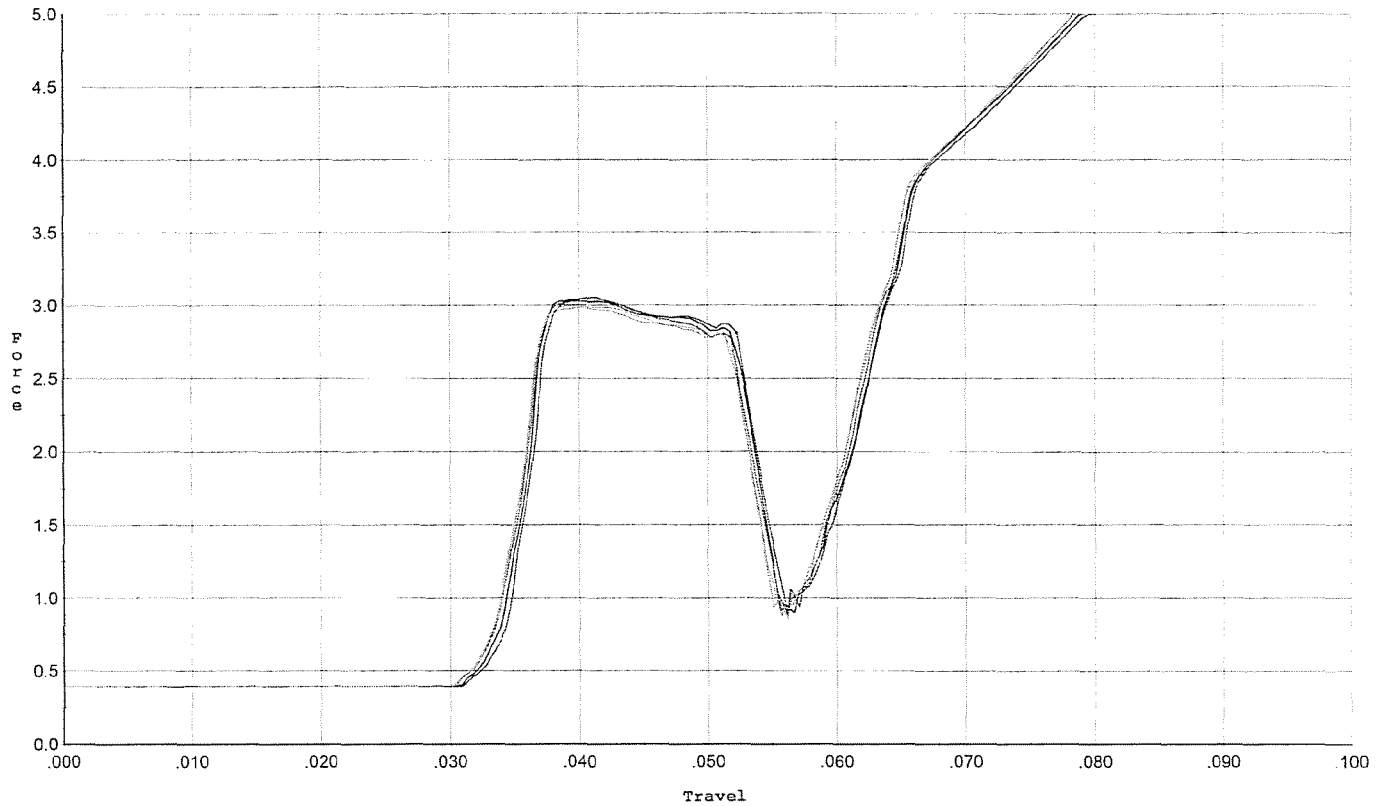
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.506	0.054	0.035	0.035	0.055		Set Trigger
2	2.482	0.054	0.035	0.035	0.054		Set Trigger
3	2.464	0.053	0.035	0.035	0.053		Set Trigger
4	2.477	0.053	0.035	0.035	0.053		Set Trigger
5	2.481	0.052	0.034	0.035	0.053		Set Trigger

Avg 2.48

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/10/08

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



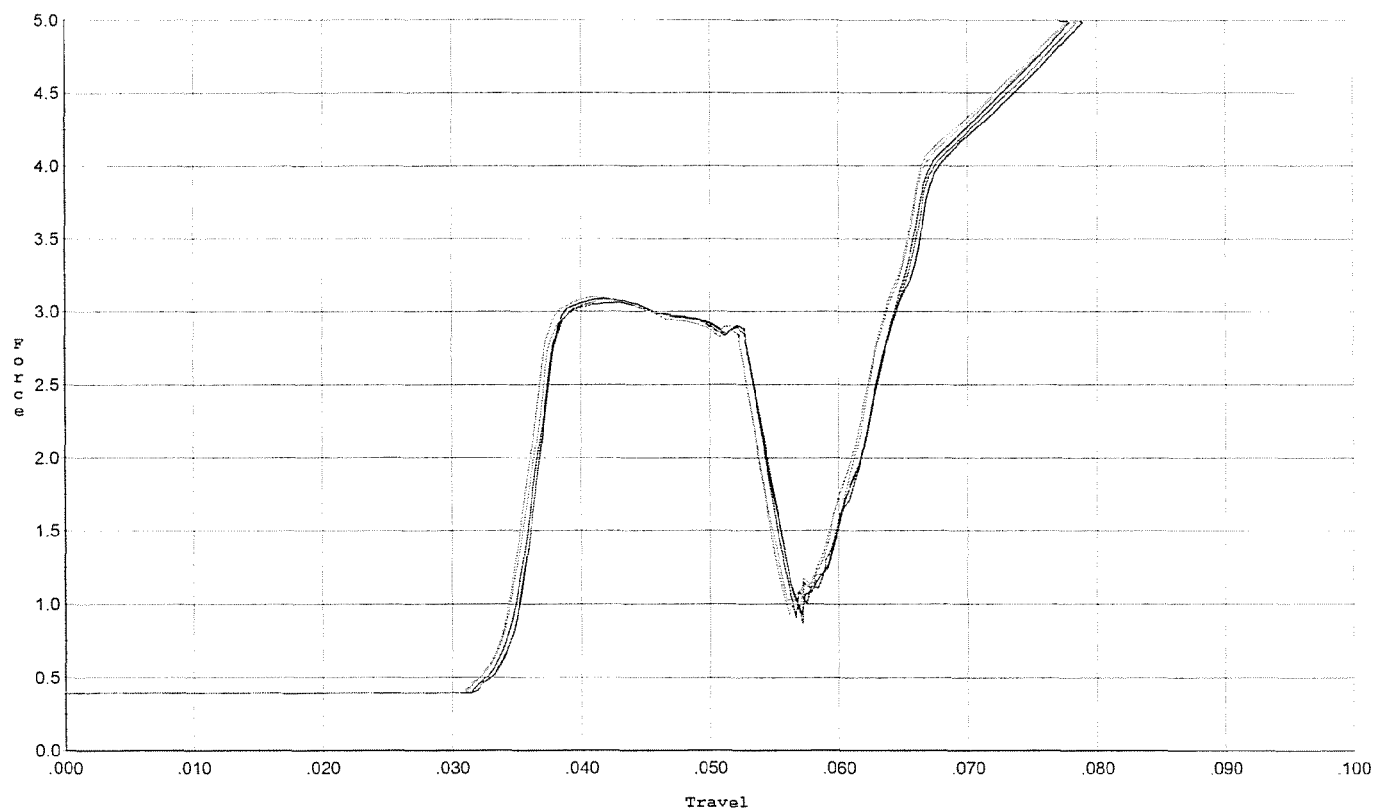
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.028	0.052	0.033	0.034	0.064		Set Trigger
2	3.051	0.053	0.033	0.033	0.066		Set Trigger
3	3.030	0.052	0.033	0.033	0.064		Set Trigger
4	2.995	0.052	0.032	0.033	0.064		Set Trigger
5	2.984	0.052	0.033	0.033	0.064		Set Trigger

Avg 3.01

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/10/08

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



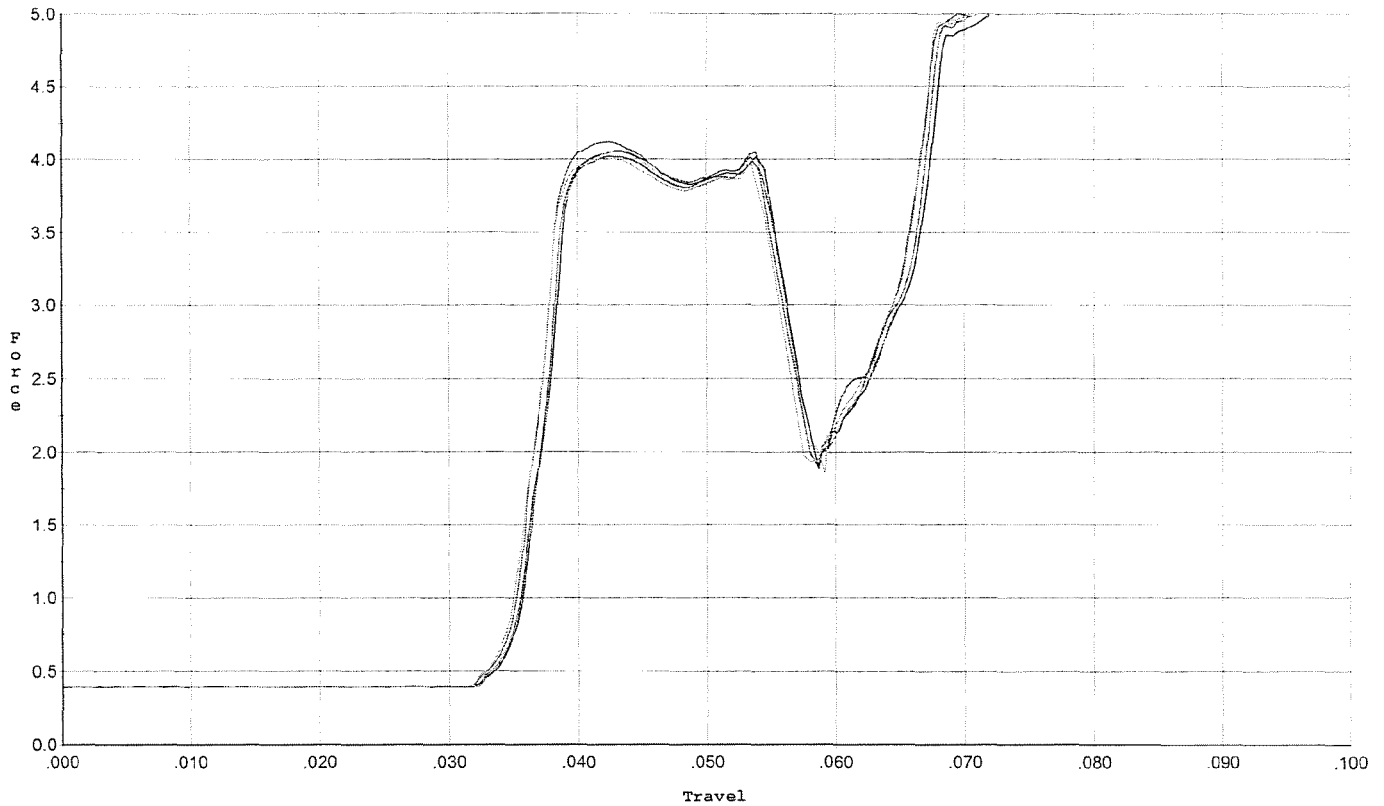
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.061	0.053	0.034	0.033	0.066		Set Trigger
2	3.090	0.053	0.034	0.034	0.065		Set Trigger
3	3.081	0.054	0.034	0.033	0.068		Set Trigger
4	3.080	0.052	0.033	0.033	0.065		Set Trigger
5	3.099	0.052	0.031	0.033	0.066		Set Trigger

AVG 3.08

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/10/08

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



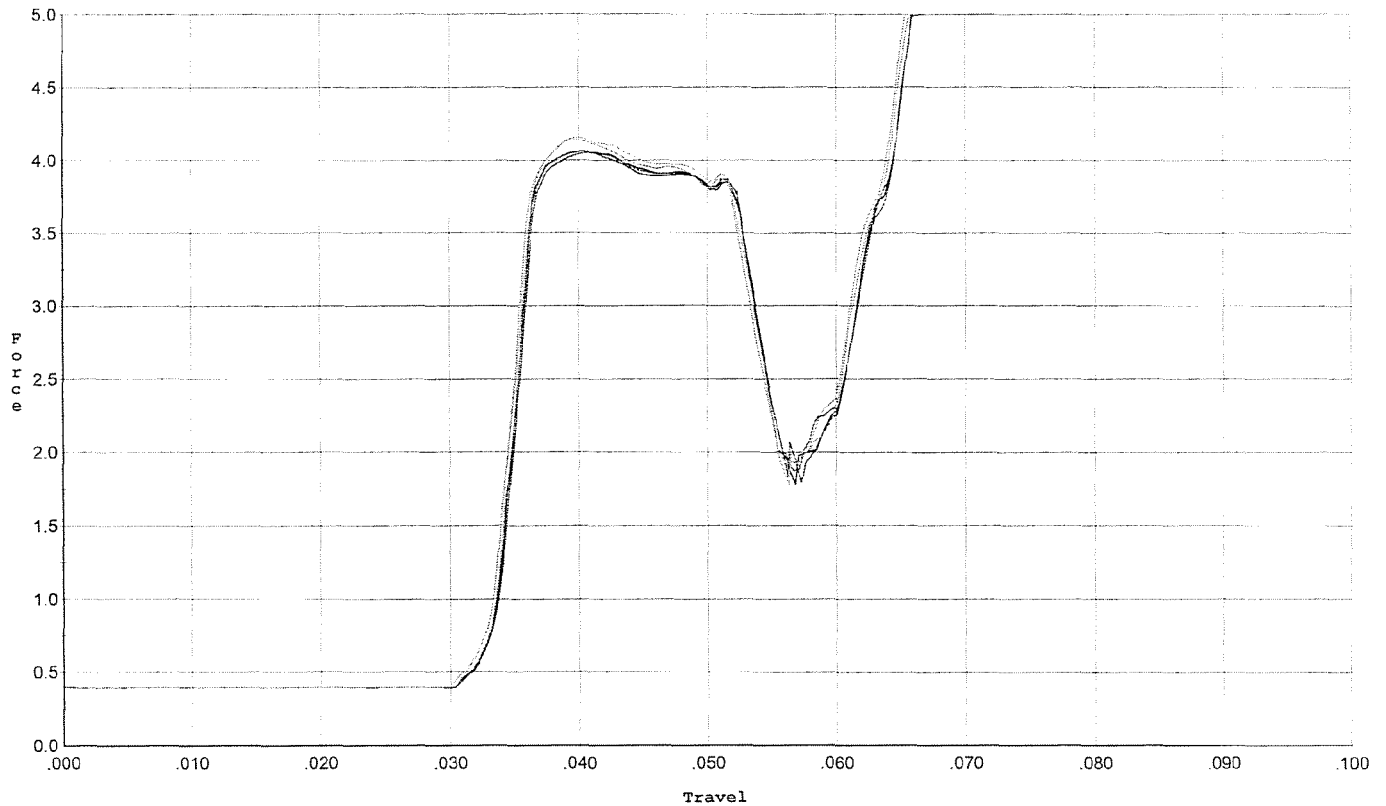
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.052	0.055	0.033	0.030	0.088		Set Trigger
2	4.058	0.055	0.033	0.031	0.086		Set Trigger
3	4.118	0.054	0.032	0.030	0.087		Set Trigger
4	4.053	0.055	0.033	0.030	0.087		Set Trigger
5	4.005	0.055	0.032	0.030	0.087		Set Trigger

Avg 4.05

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/10/08

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



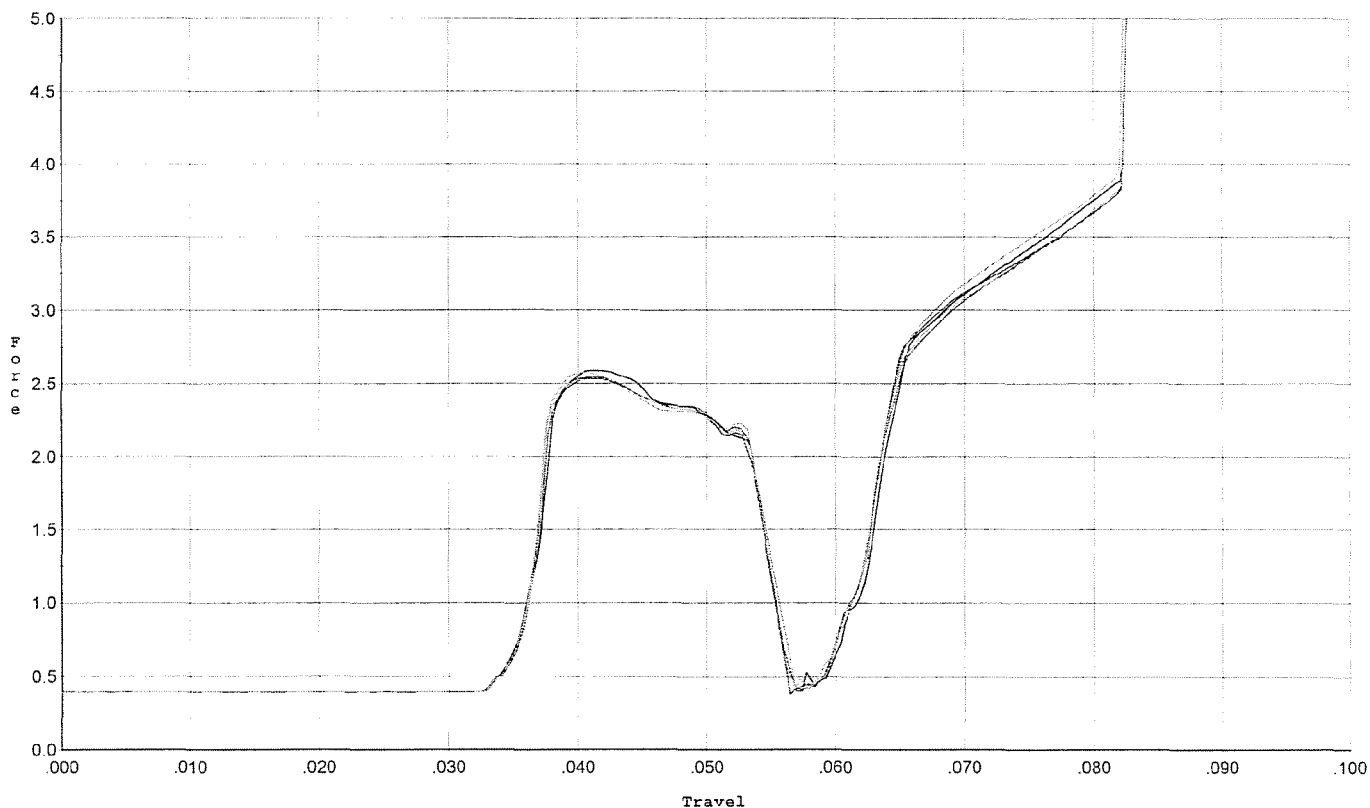
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.051	0.052	0.033	0.028	0.085		Set Trigger
2	4.061	0.052	0.031	0.028	0.085		Set Trigger
3	4.065	0.052	0.031	0.029	0.086		Set Trigger
4	4.157	0.053	0.031	0.028	0.088		Set Trigger
5	4.142	0.052	0.032	0.028	0.085		Set Trigger

AVG 4.09

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 10/10/08

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



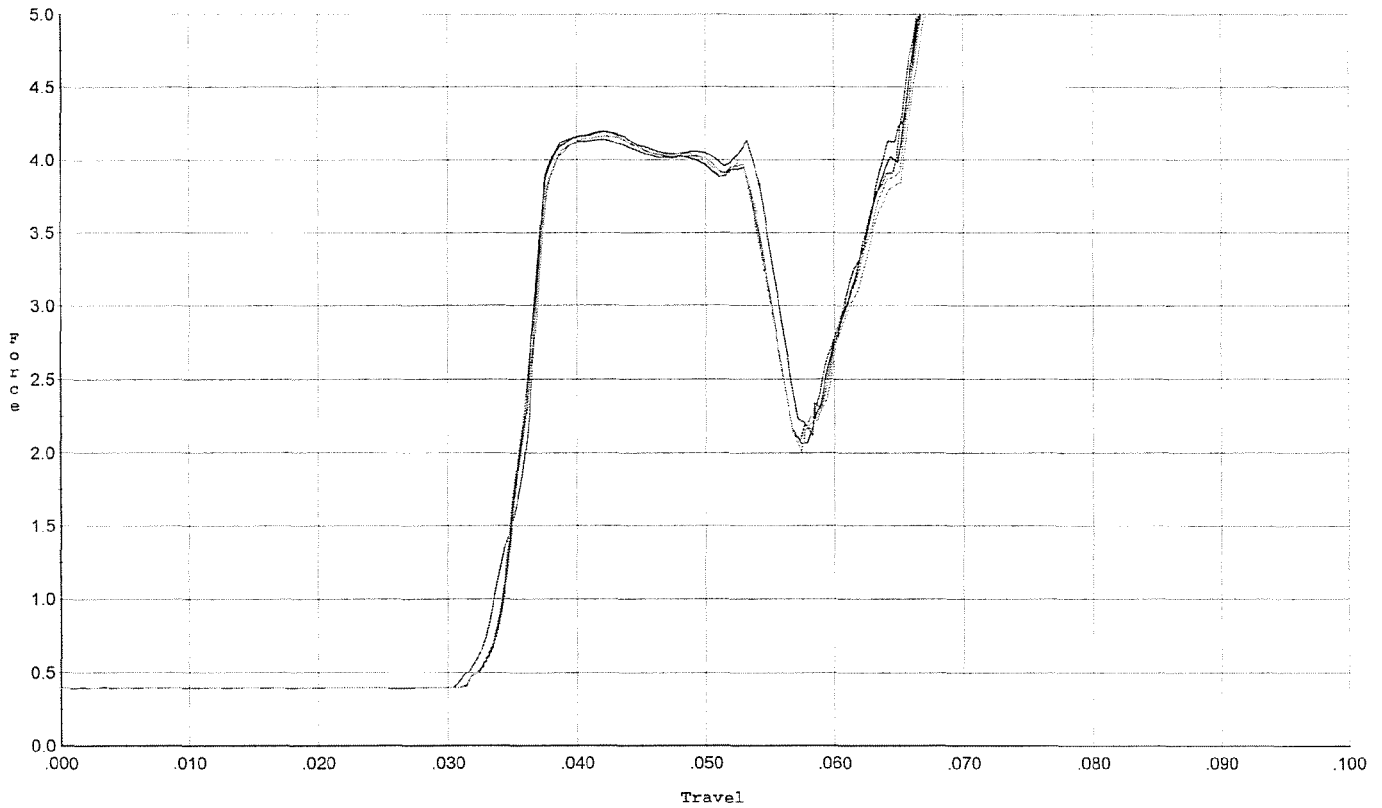
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.549	0.054	0.033	0.035	0.055		Set Trigger
2	2.591	0.053	0.033	0.035	0.055		Set Trigger
3	2.539	0.053	0.033	0.035	0.055		Set Trigger
4	2.577	0.053	0.035	0.035	0.055		Set Trigger
5	2.530	0.053	0.033	0.035	0.055		Set Trigger

Avg 2.55

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 10/10/08

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	4.186	0.054	0.032	0.028	0.092		Set Trigger
2	4.197	0.055	0.032	0.029	0.091		Set Trigger
3	4.139	0.054	0.032	0.027	0.090		Set Trigger
4	4.162	0.054	0.032	0.028	0.089		Set Trigger
5	4.187	0.055	0.032	0.028	0.091		Set Trigger

Avg 4.17

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348946.___0
FILE DATE AND TIME: 11/04/2008 16:24

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.045
The Average Y Centroid of the Five Target Set:	0.058
The Average Point of Impact of the Five Target Set:	0.074
The Average Mean Radius of the Five Target Set:	0.643
The Distance from POA to Centroid Target #1:	0.185
The Distance from Centroid Target #2 to Centroid Target #1:	0.158
The Distance from Centroid Target #3 to Centroid Target #1:	0.199
The Distance from Centroid Target #4 to Centroid Target #1:	0.144
The Distance from Centroid Target #5 to Centroid Target #1:	0.119

SERIAL NUMBER: C6348946. __0

TARGET NUMBER: 1

FILE DATE: 11/04/2008

FILE TIME: 16:24

POINT#	X	Y
1:	-0.497	-1.051
2:	-0.340	-0.442
3:	-0.934	0.395
4:	0.058	0.905
5:	0.104	0.713
6:	0.284	0.617
7:	0.330	0.433
8:	0.269	0.292
9:	-0.187	0.043
10:	-0.195	-0.418

X CENTROID: -0.111

Y CENTROID: 0.149

POA TO CENTROID: 0.185

HORZ SPREAD: 1.264

VERT SPREAD: 1.956

GROUP SPREAD: 2.033

MIN RADIUS: 0.130

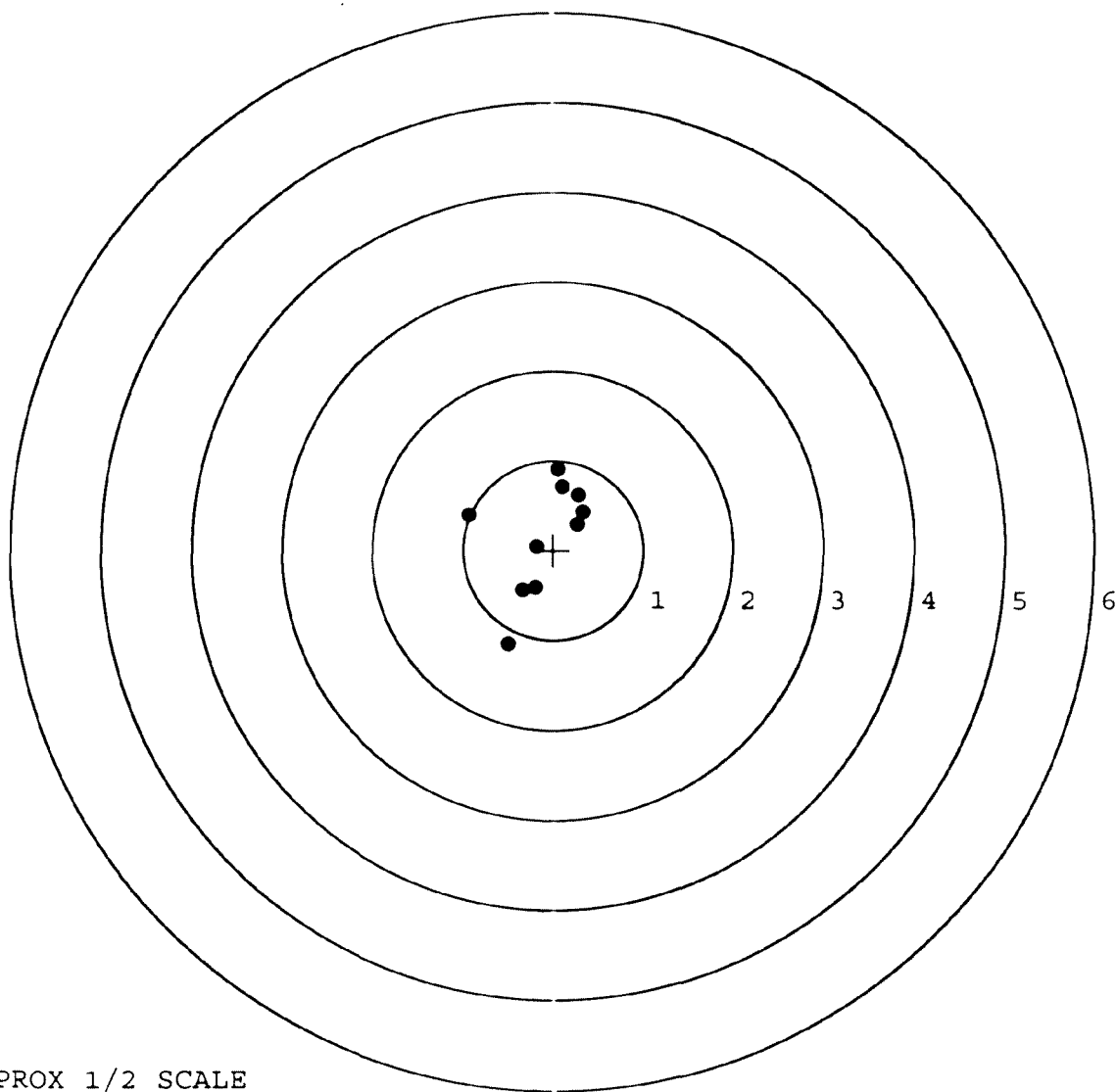
MAX RADIUS: 1.260

MEAN RADIUS: 0.638

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348946. __0

TARGET NUMBER: 2

FILE DATE: 11/04/2008

FILE TIME: 16:24

POINT#	X	Y
1:	-0.260	0.807
2:	-0.408	0.689
3:	-0.504	-0.585
4:	0.333	-0.569
5:	-0.334	-0.340
6:	0.438	0.523
7:	0.583	0.344
8:	0.100	0.213
9:	0.305	-0.035
10:	0.034	-0.296

X CENTROID: 0.029

Y CENTROID: 0.075

POA TO CENTROID: 0.080

HORZ SPREAD: 1.087

VERT SPREAD: 1.392

GROUP SPREAD: 1.454

MIN RADIUS: 0.155

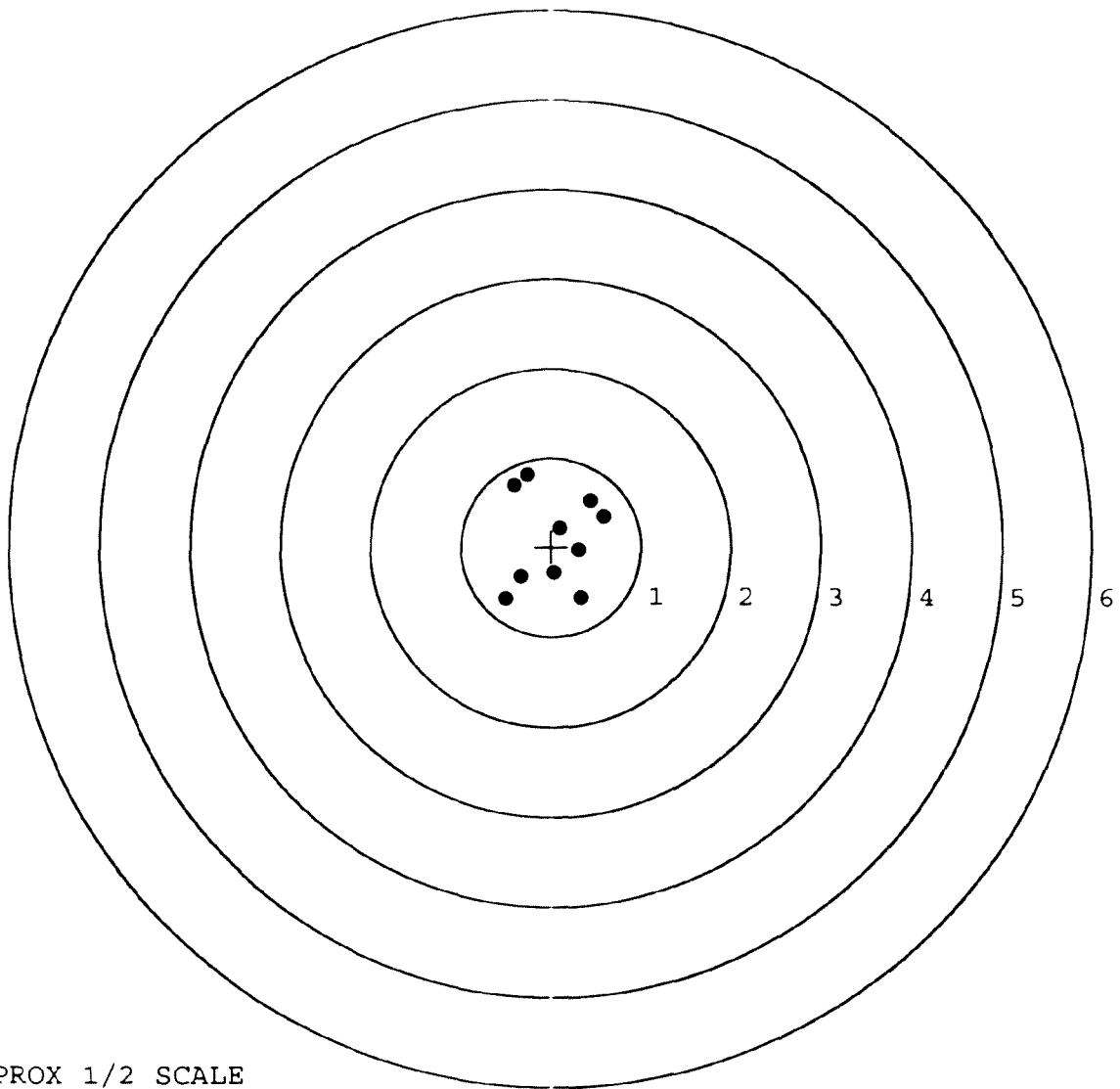
MAX RADIUS: 0.848

MEAN RADIUS: 0.570

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348946. __0

TARGET NUMBER: 3

FILE DATE: 11/04/2008

FILE TIME: 16:24

POINT#	X	Y
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1:	0.741	0.179
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2:	0.433	0.349
----	-------	-------

3:	-0.527	0.448
----	--------	-------

4:	-0.708	-0.261
----	--------	--------

5:	-0.628	-0.185
----	--------	--------

6:	-0.291	-0.609
----	--------	--------

7:	0.078	-0.441
----	-------	--------

8:	-0.139	0.030
----	--------	-------

9:	-0.040	0.055
----	--------	-------

10:	-0.043	-0.066
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X CENTROID: -0.112

Y CENTROID: -0.050

POA TO CENTROID: 0.123

HORZ SPREAD: 1.449

VERT SPREAD: 1.057

GROUP SPREAD: 1.514

MIN RADIUS: 0.071

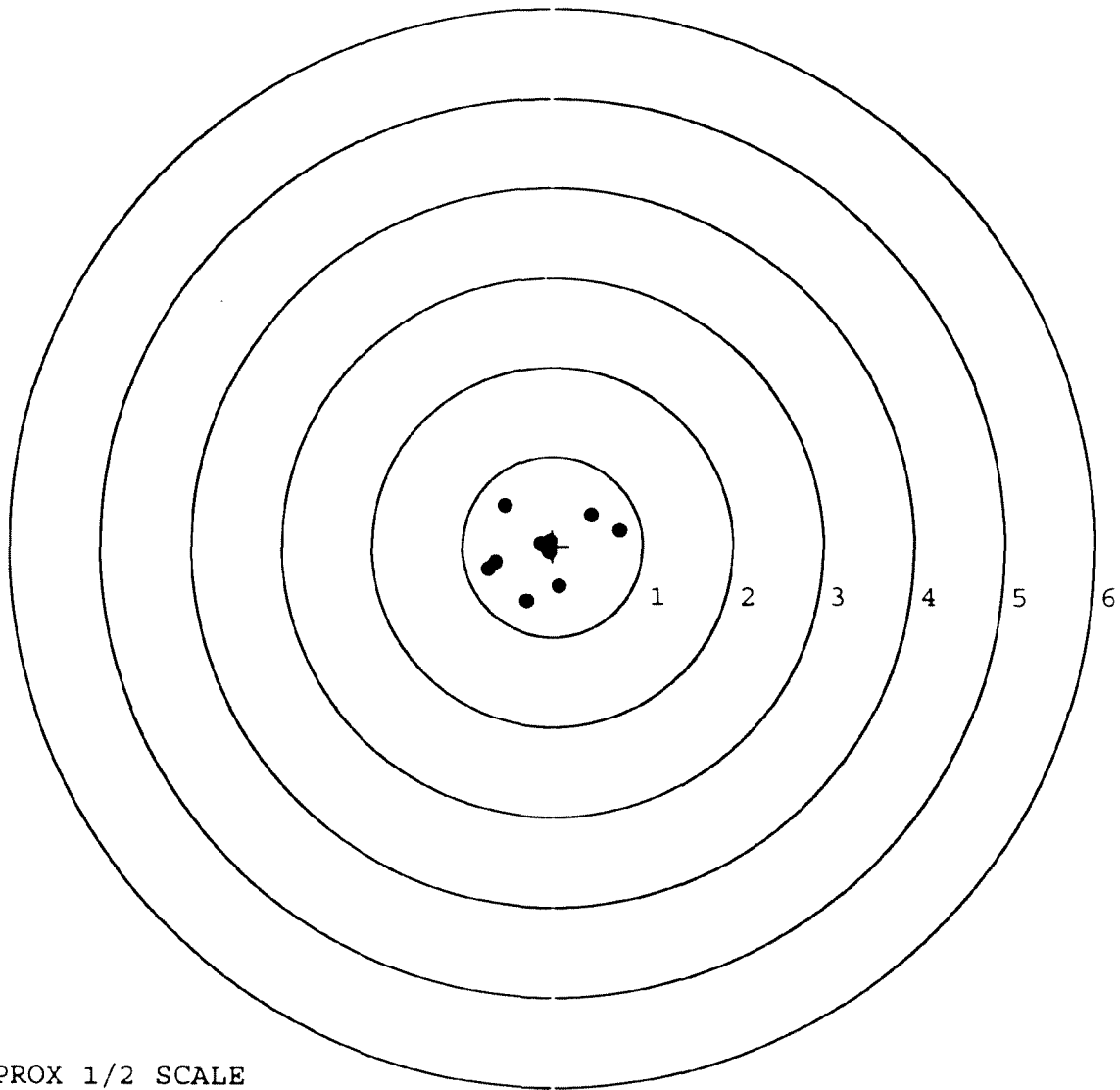
MAX RADIUS: 0.884

MEAN RADIUS: 0.468

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348946. __0

TARGET NUMBER: 4

FILE DATE: 11/04/2008

FILE TIME: 16:24

POINT#	X	Y
1:	0.570	1.307
2:	0.801	-1.212
3:	0.207	-1.236
4:	-0.466	-0.599
5:	-0.848	0.461
6:	-0.616	0.493
7:	-0.457	0.439
8:	-0.019	0.399
9:	0.335	0.462
10:	0.491	0.054

X CENTROID: 0.000

Y CENTROID: 0.057

POA TO CENTROID: 0.057

HORZ SPREAD: 1.649

VERT SPREAD: 2.543

GROUP SPREAD: 2.530

MIN RADIUS: 0.343

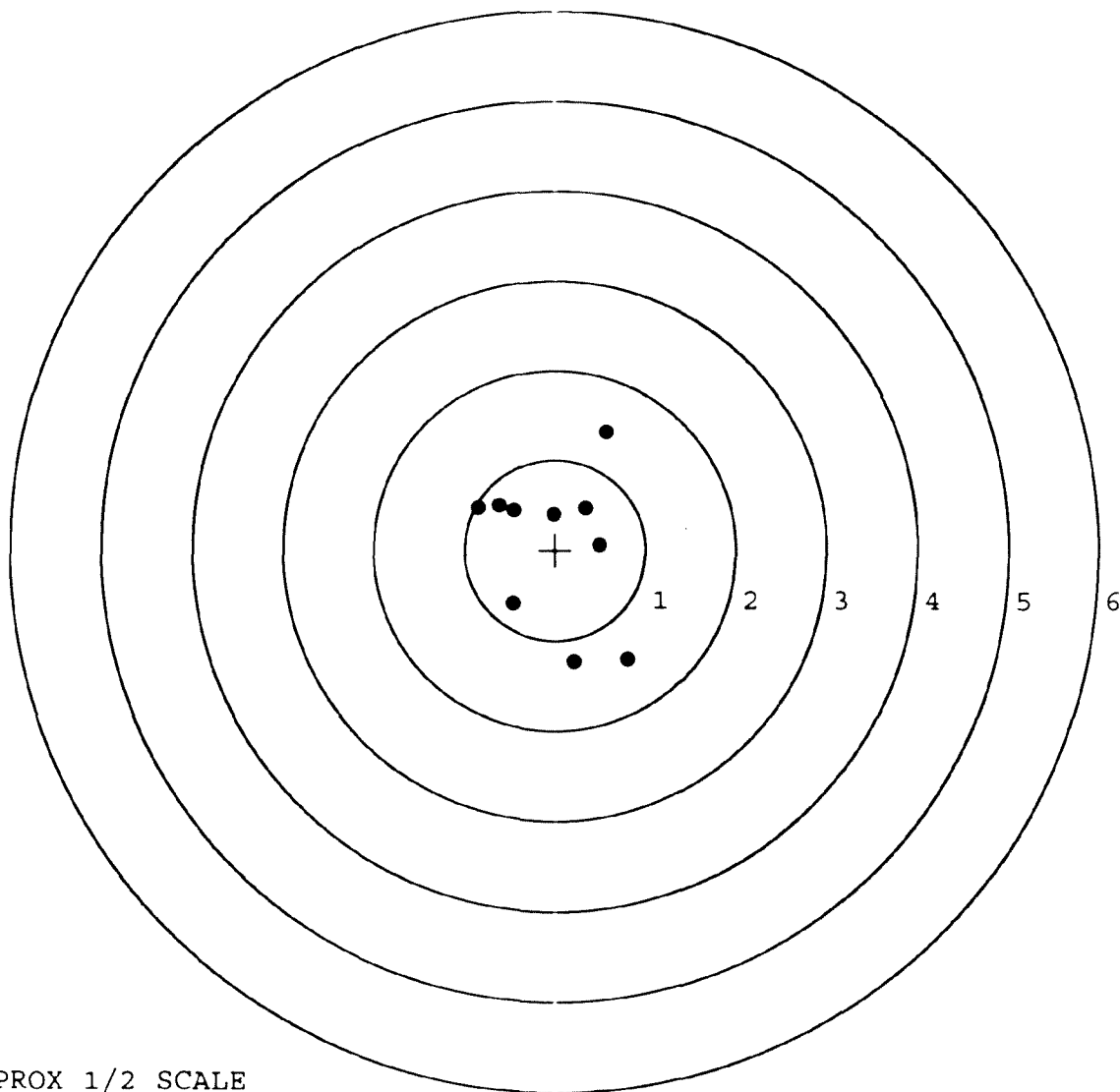
MAX RADIUS: 1.501

MEAN RADIUS: 0.864

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348946. __0

TARGET NUMBER: 5

FILE DATE: 11/04/2008

FILE TIME: 16:24

POINT#	X	Y
1:	0.140	-0.724
2:	0.147	0.703
3:	0.829	0.655
4:	0.665	0.116
5:	0.682	-0.116
6:	-1.104	0.239
7:	-1.117	-0.135
8:	-0.251	0.034
9:	-0.211	-0.189
10:	-0.087	0.019

X CENTROID: -0.031

Y CENTROID: 0.060

POA TO CENTROID: 0.068

HORZ SPREAD: 1.946

VERT SPREAD: 1.427

GROUP SPREAD: 2.100

MIN RADIUS: 0.070

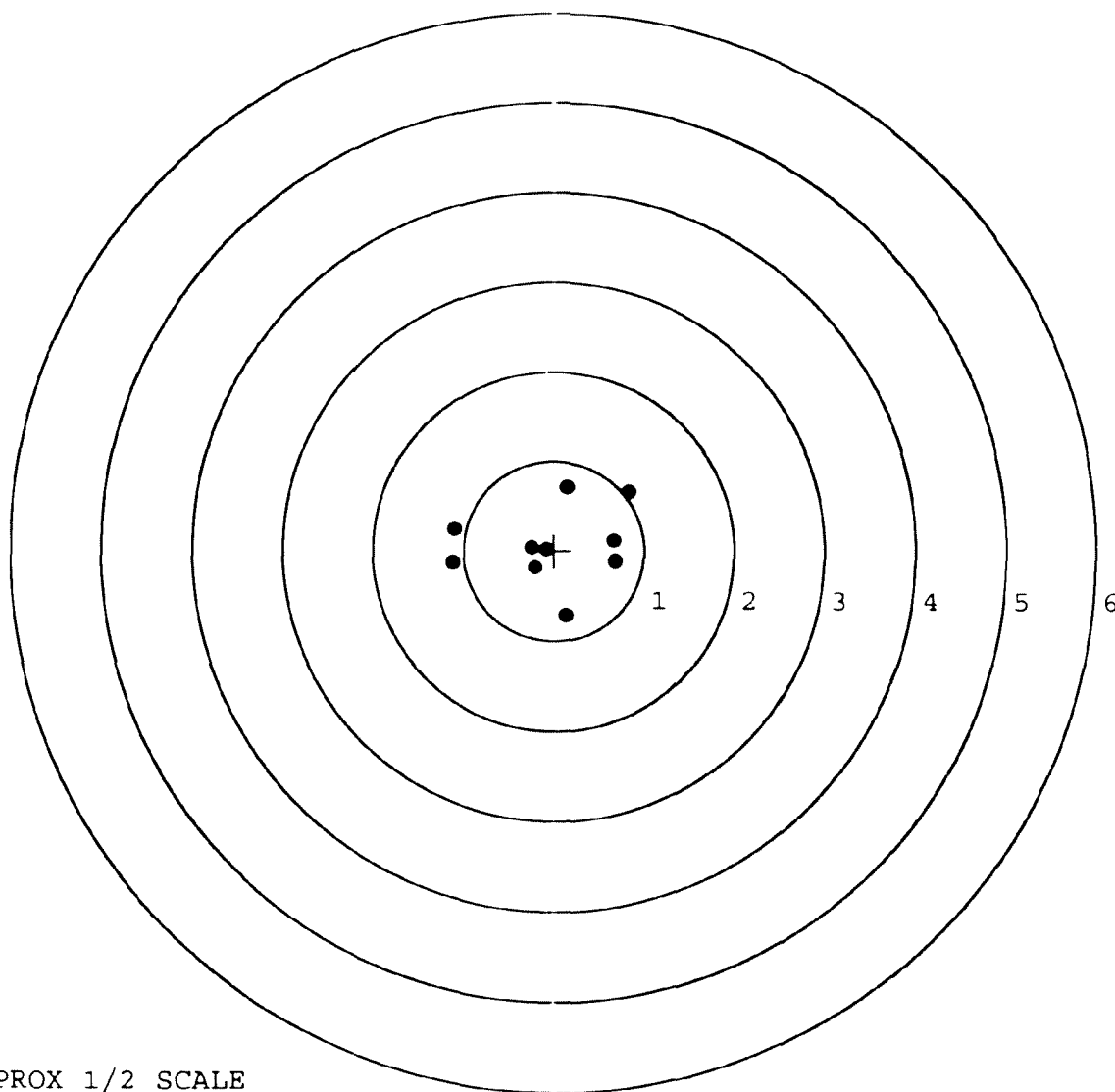
MAX RADIUS: 1.104

MEAN RADIUS: 0.674

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE