

BARBER - M24 0000864

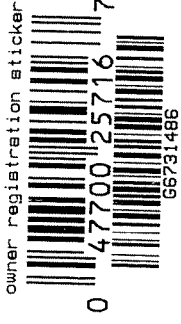
6673 1486

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0000864~~ 000903

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

- INSTRUCTION BOOK 3518



ORDER NO.	25716
BARREL LENGTH	24"
CAPACITY	6

G6731486



BM FORM

INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # 6 673 1486

OP #	OPERATION NAME	READINGS	DATE	INITIAL
410	SERIALIZE BOLT HANDLE		3-4-08	RTZ
420	ASSEMBLE ACTION		3-4-08	RTZ
430	ASSEMBLE TO STOCK		3-4-08	TRW
440	PROOF		3-4-08	TRW
460	CHECK HEADSPACE		3-4-08	TRW
470	DIS-ASSEMBLE ACTION		3-5-08	S.P.D.
480	MAGNAFLUX BBL ACTION		3/6/08	Wung
490	MAGNAFLUX BOLT			
500	ROLLMARK CALIBER		3-5-08	CW
510	DRILL AND TAP SIGHT HOLES		3-5-08	TRW
520	GOFF BLAST BBL / REC		3-7-08	DG
530 & 540	APPLY COATINGS (BARREL ACTION)		3-7-08	CW
	(BOLT)			
560	RE-ASSEMBLE ACTION			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		3-18-08	Fm
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		3-18-08	Fm
	C) INSPECT EJECTOR HOLE FOR CHAMFER		3-18-08	Fm
	D) OIL FIRING PIN ASSEMBLY		3-19-08	S.P.D.
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE 2.50 LBS +/- .5 LBS			

F004 REV 5/2006

OP #	OPERATION NAME	READINGS	DATE	INITIAL
560	F) SAFETY ON FORCE 2 LBS MIN 10 LBS MAX	<u>7.0</u> <u>7.0</u> <u>7.5</u>	4-17-08	TRW
CONT.				
	G) SAFETY OFF FORCE 2 LBS MIN	<u>2.75</u> <u>3.0</u> <u>3.0</u>	4-17-08	TRW
	H) TRIGGER PULL TEST AND RETAINABILITY			
	I) FIRING PIN INDENT .020 MIN	<u>.0225</u> <u>.023</u> <u>.0235</u>	4-17-08	TRW
	J) ASSEMBLE STOCK		3-19-08	SPD
	K) ASSEMBLE SWIVEL STUDS		4-17-08	TRW
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		4-17-08	KR
	M) IRON SIGHT ALIGNMENT		4-17-08	KR
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		4-17-08	KR
640 & 650	FUNCTION TEST AND TARGET	PASS FAIL PASS FAIL	4-16-08	SPD
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
660	INSPECT FOR LIVE AMMO		4-16-08	SD
670	FINAL INSPECTION A) HEADSPACE		4-17-08	TRW
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.75</u> <u>2.80</u> <u>2.84</u> <u>2.81</u> <u>2.84</u>	4-17-08	TRW
	C) FUNCTION		4-17-08	TRW
690	PACK		4-17-08	FM

F004 REV 5/2006

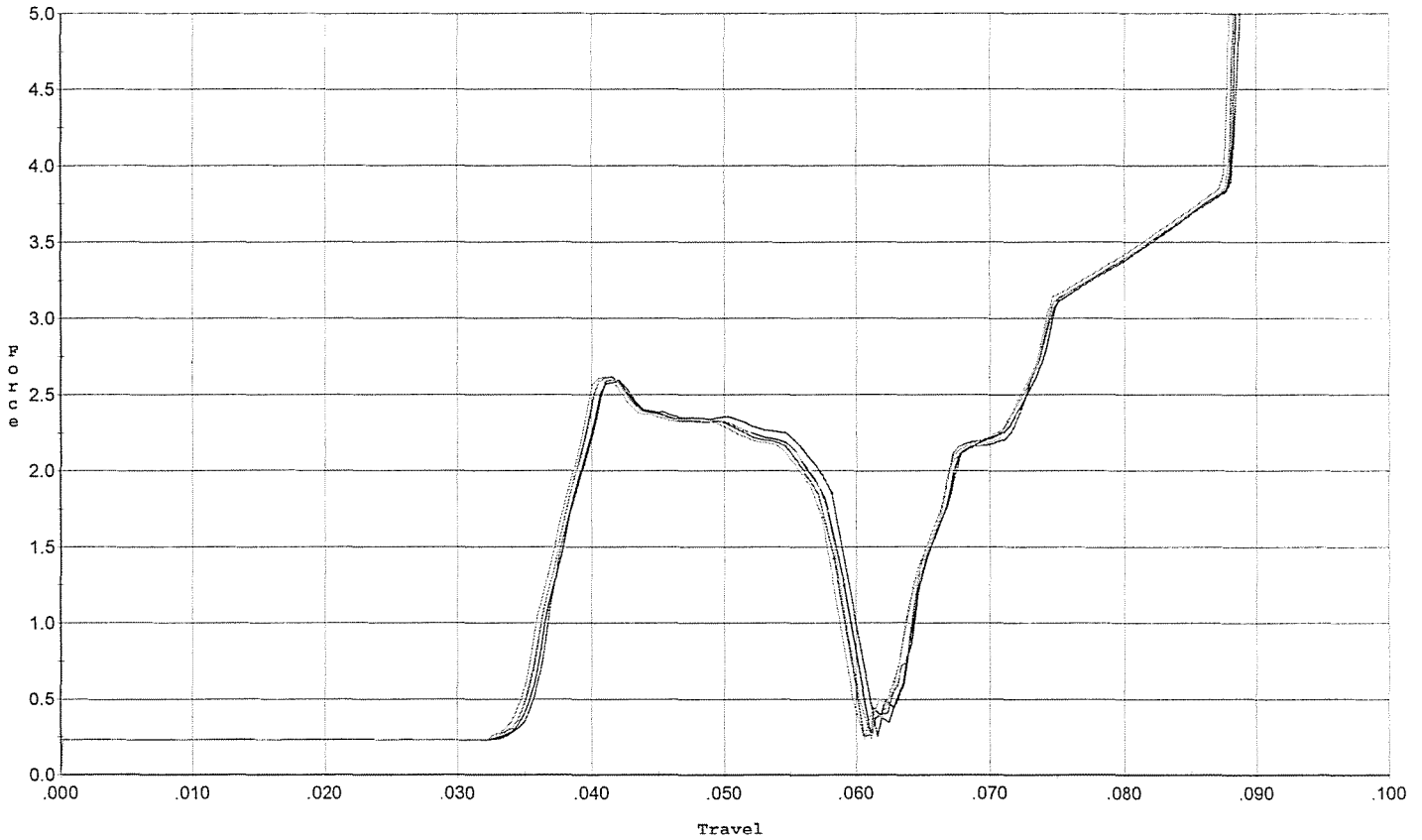
CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0000867~~ 0000906

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/18/08

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



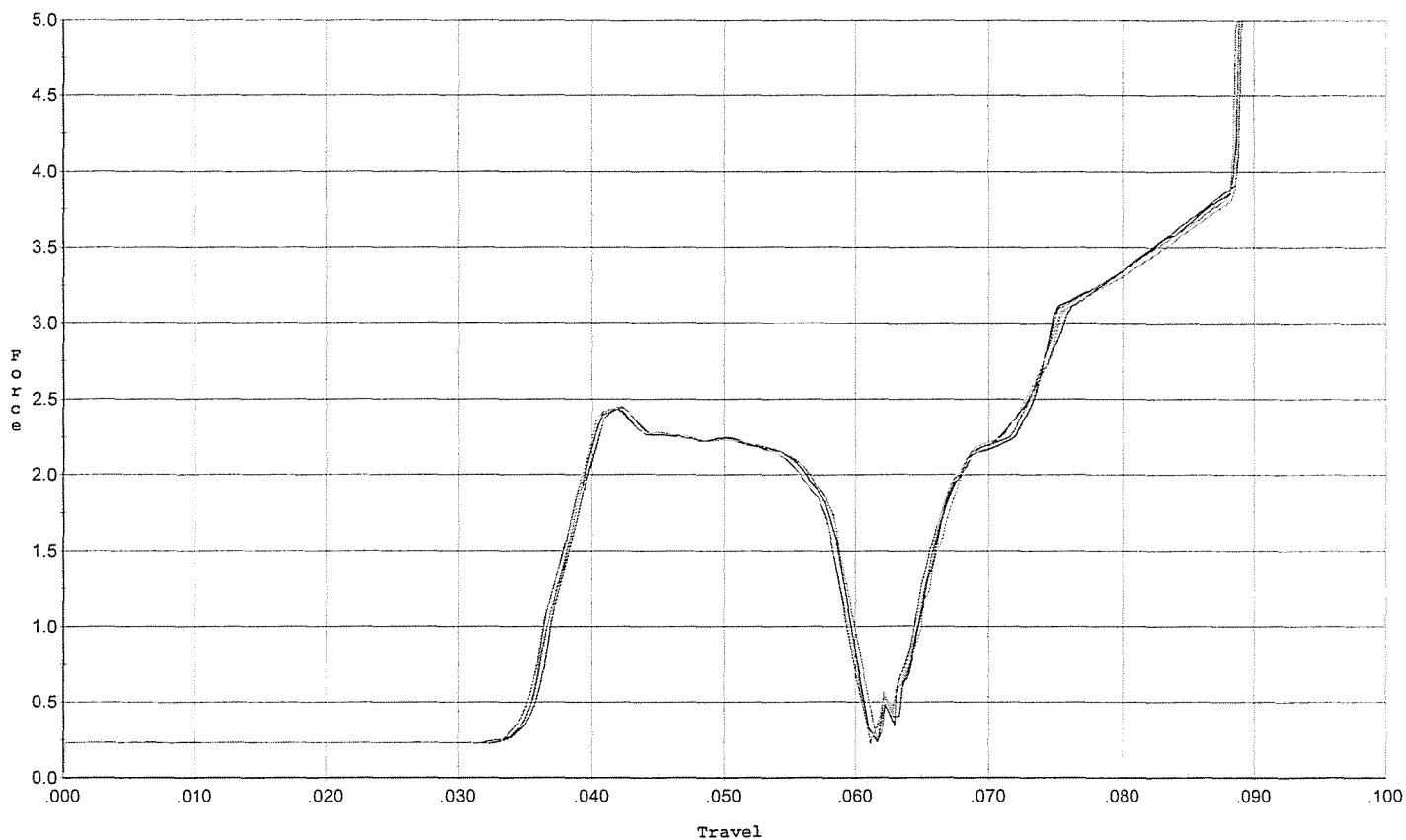
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.596	0.058	0.035	0.036	0.057		Set Trigger
2	2.585	0.059	0.035	0.036	0.057		Set Trigger
3	2.617	0.058	0.035	0.036	0.057		Set Trigger
4	2.612	0.058	0.034	0.036	0.057		Set Trigger
5	2.615	0.057	0.034	0.036	0.056		Set Trigger

AVG 2.60

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/18/08

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



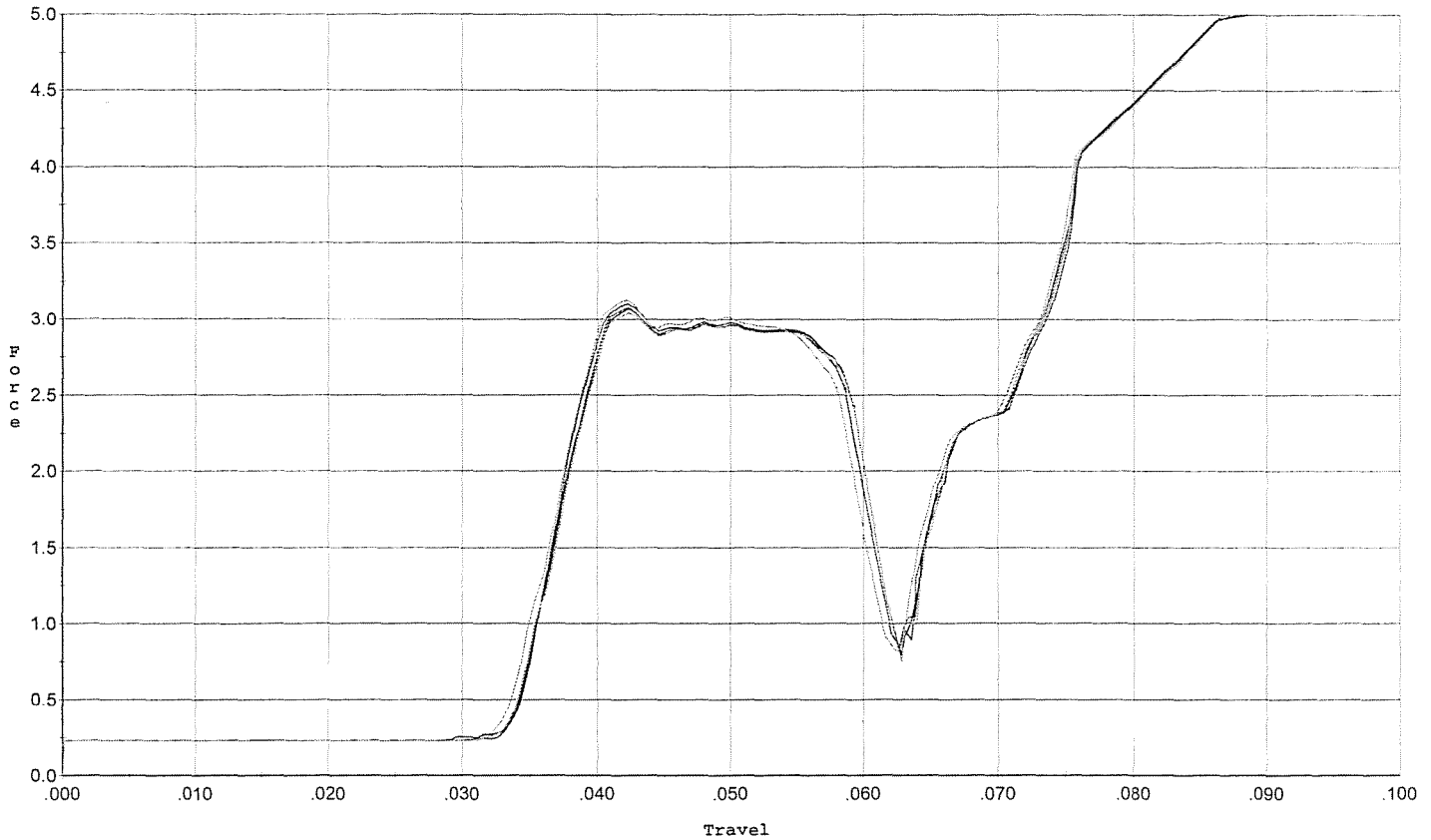
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.445	0.058	0.035	0.036	0.055		Set Trigger
2	2.433	0.059	0.035	0.036	0.055		Set Trigger
3	2.439	0.058	0.035	0.036	0.055		Set Trigger
4	2.439	0.059	0.035	0.036	0.056		Set Trigger
5	2.454	0.058	0.035	0.036	0.055		Set Trigger

AVG 2.44

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/18/08

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



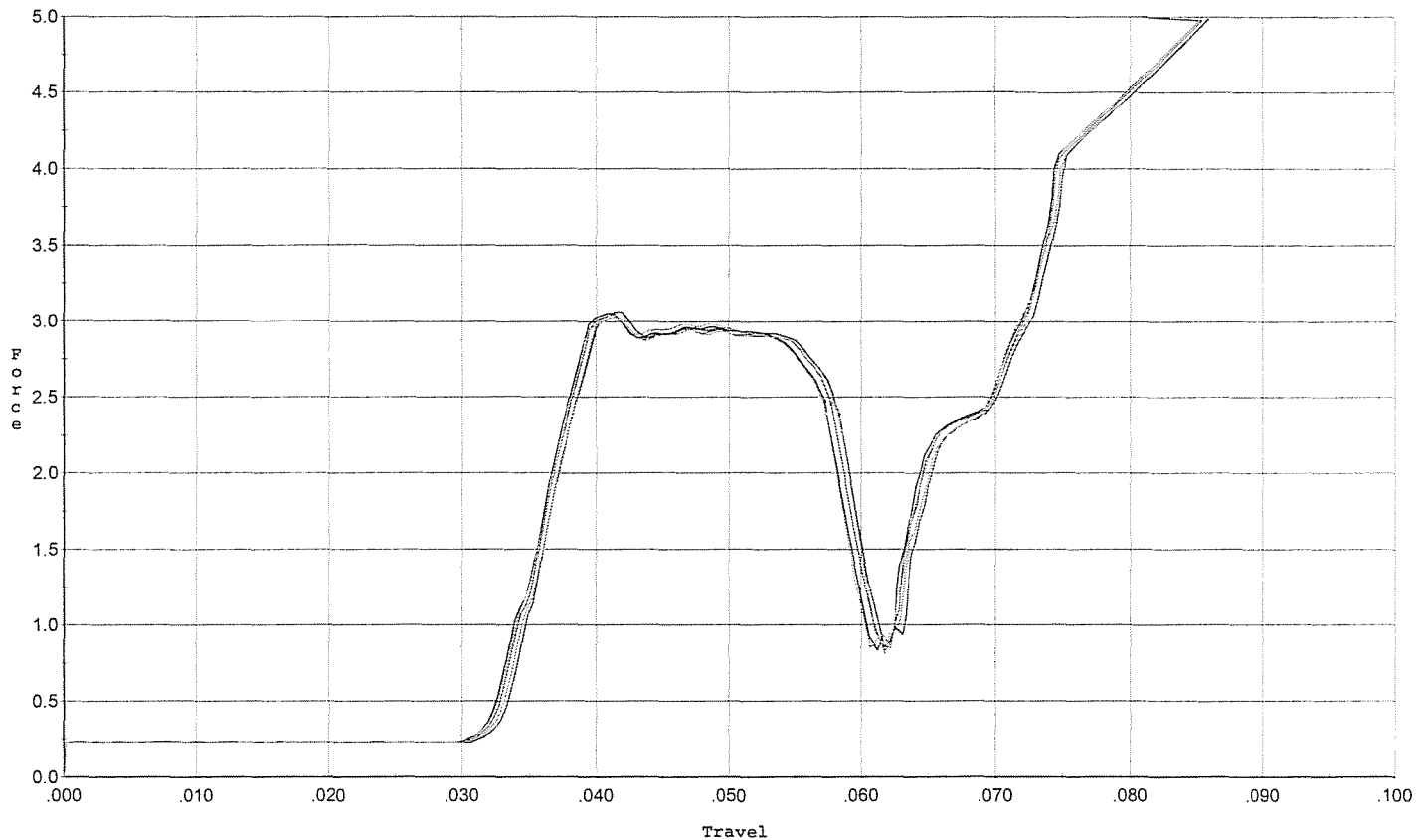
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.101	0.059	0.034	0.035	0.073		Set Trigger
2	3.072	0.059	0.034	0.034	0.074		Set Trigger
3	3.077	0.059	0.034	0.034	0.074		Set Trigger
4	3.045	0.059	0.034	0.034	0.074		Set Trigger
5	3.127	0.058	0.033	0.034	0.073		Set Trigger

Avg 3.08

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/18/08

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



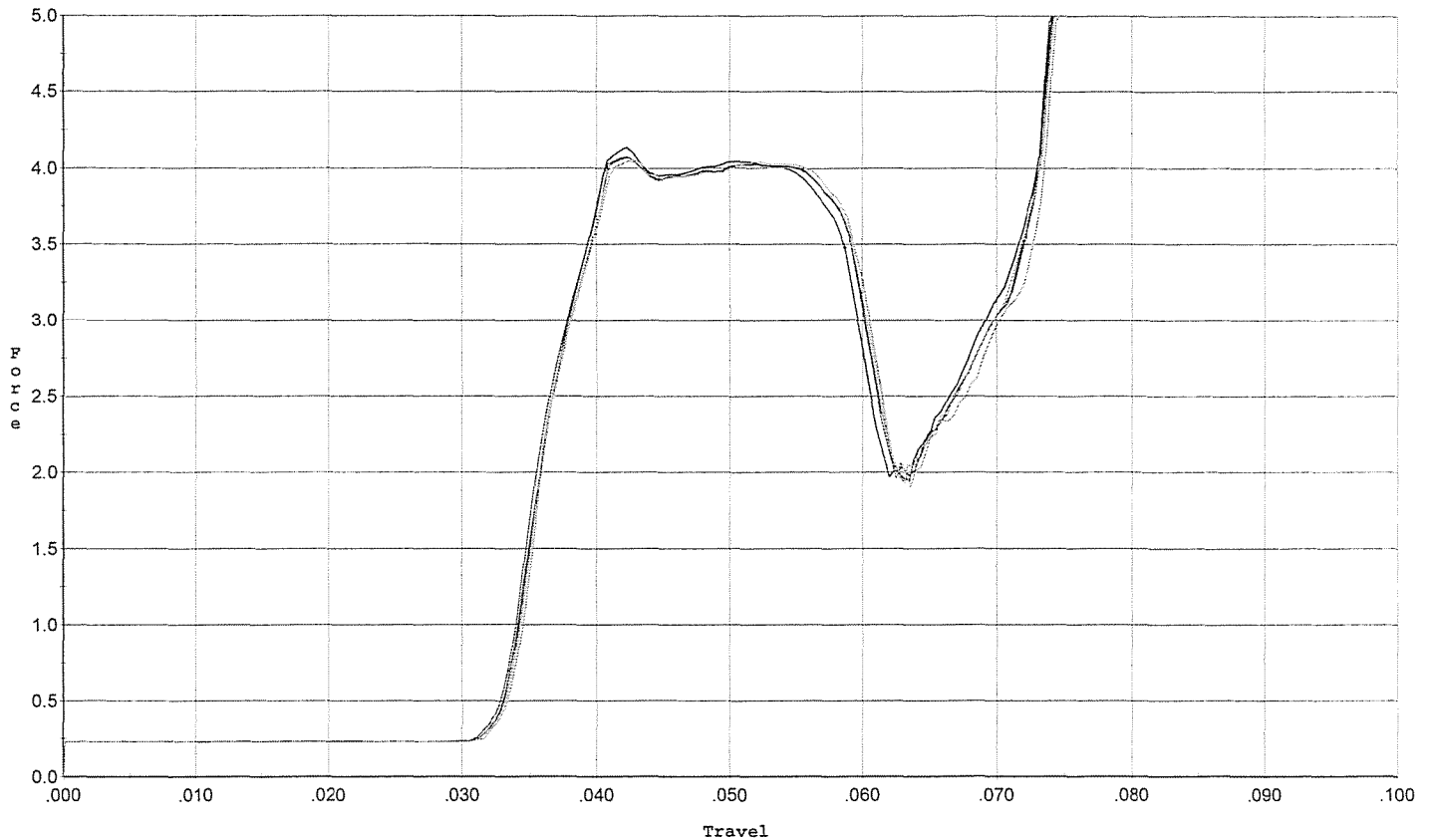
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.060	0.058	0.033	0.034	0.073		Set Trigger
2	3.050	0.057	0.032	0.034	0.072		Set Trigger
3	3.037	0.058	0.032	0.034	0.072		Set Trigger
4	3.024	0.059	0.033	0.034	0.073		Set Trigger
5	3.040	0.057	0.032	0.034	0.072		Set Trigger

Avg 3.04

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 1/18/08

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



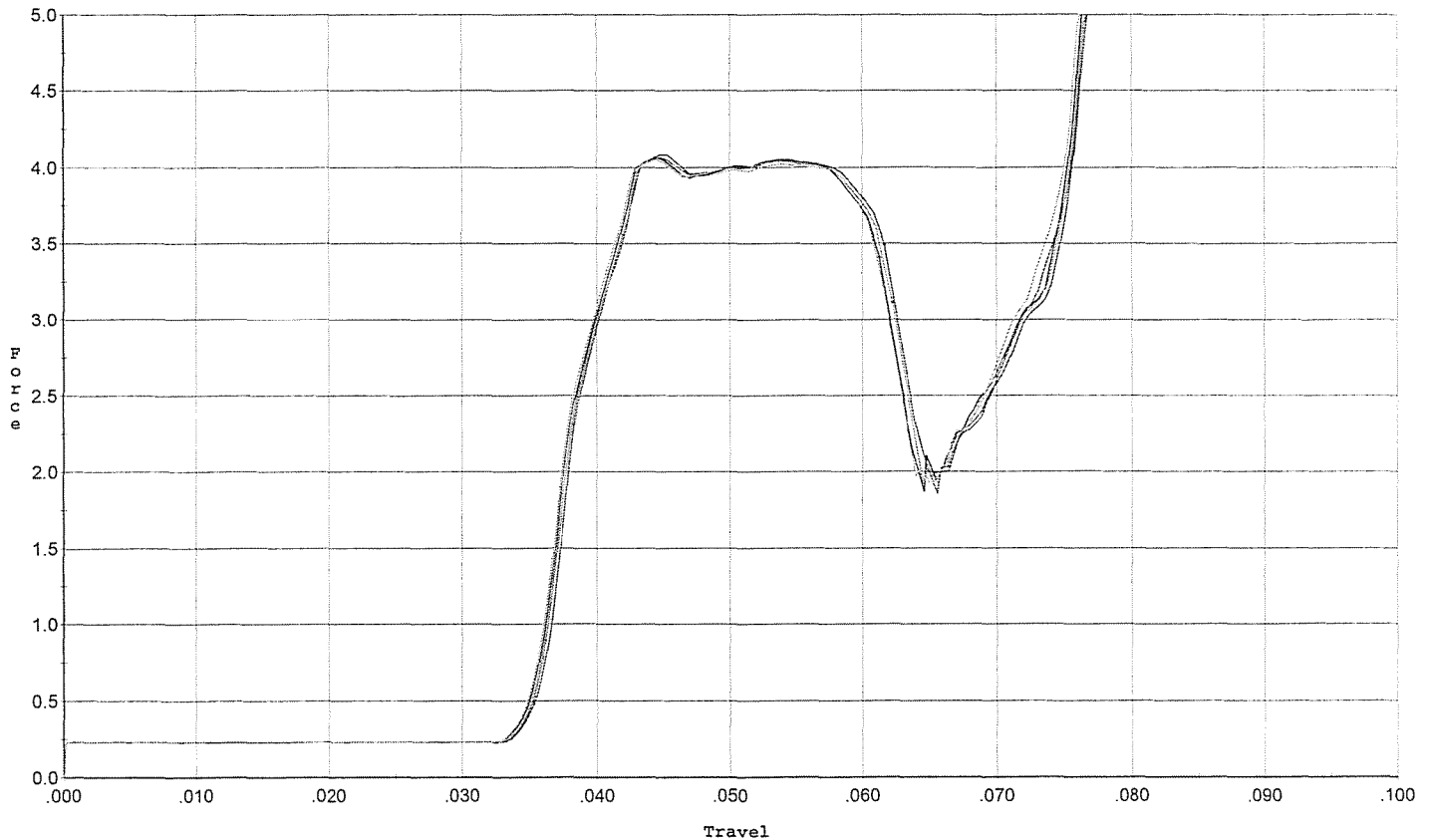
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.072	0.059	0.032	0.020	0.101		Set Trigger
2	4.136	0.059	0.032	0.020	0.099		Set Trigger
3	4.070	0.059	0.033	0.020	0.100		Set Trigger
4	4.047	0.061	0.033	0.019	0.103		Set Trigger
5	4.055	0.060	0.033	0.020	0.102		Set Trigger

AVG 4.07

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/18/08

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



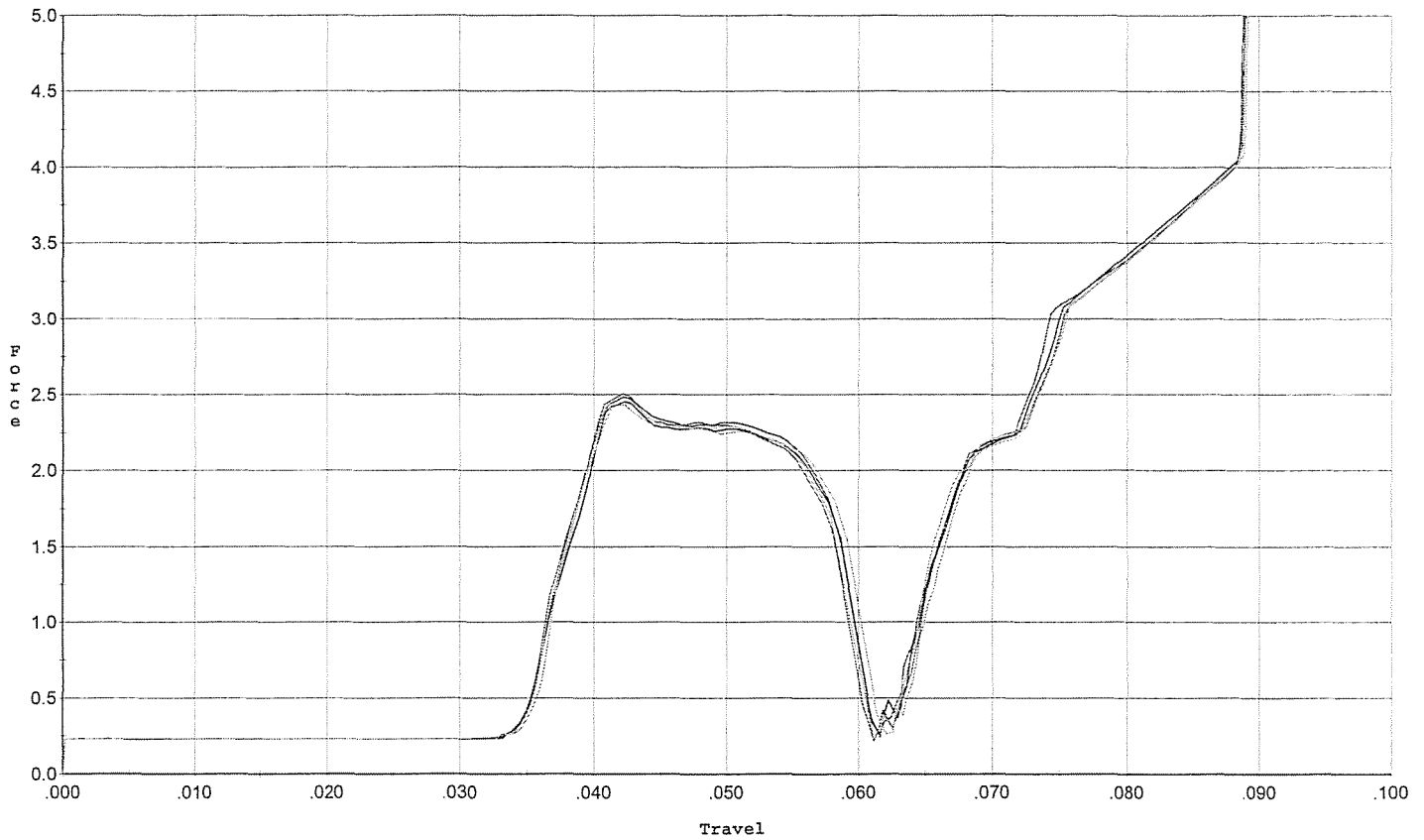
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.085	0.062	0.035	0.020	0.102		Set Trigger
2	4.064	0.061	0.034	0.020	0.102		Set Trigger
3	4.068	0.062	0.035	0.020	0.103		Set Trigger
4	4.055	0.062	0.034	0.020	0.102		Set Trigger
5	4.053	0.062	0.035	0.020	0.103		Set Trigger

Avg 4.06

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/18/08

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



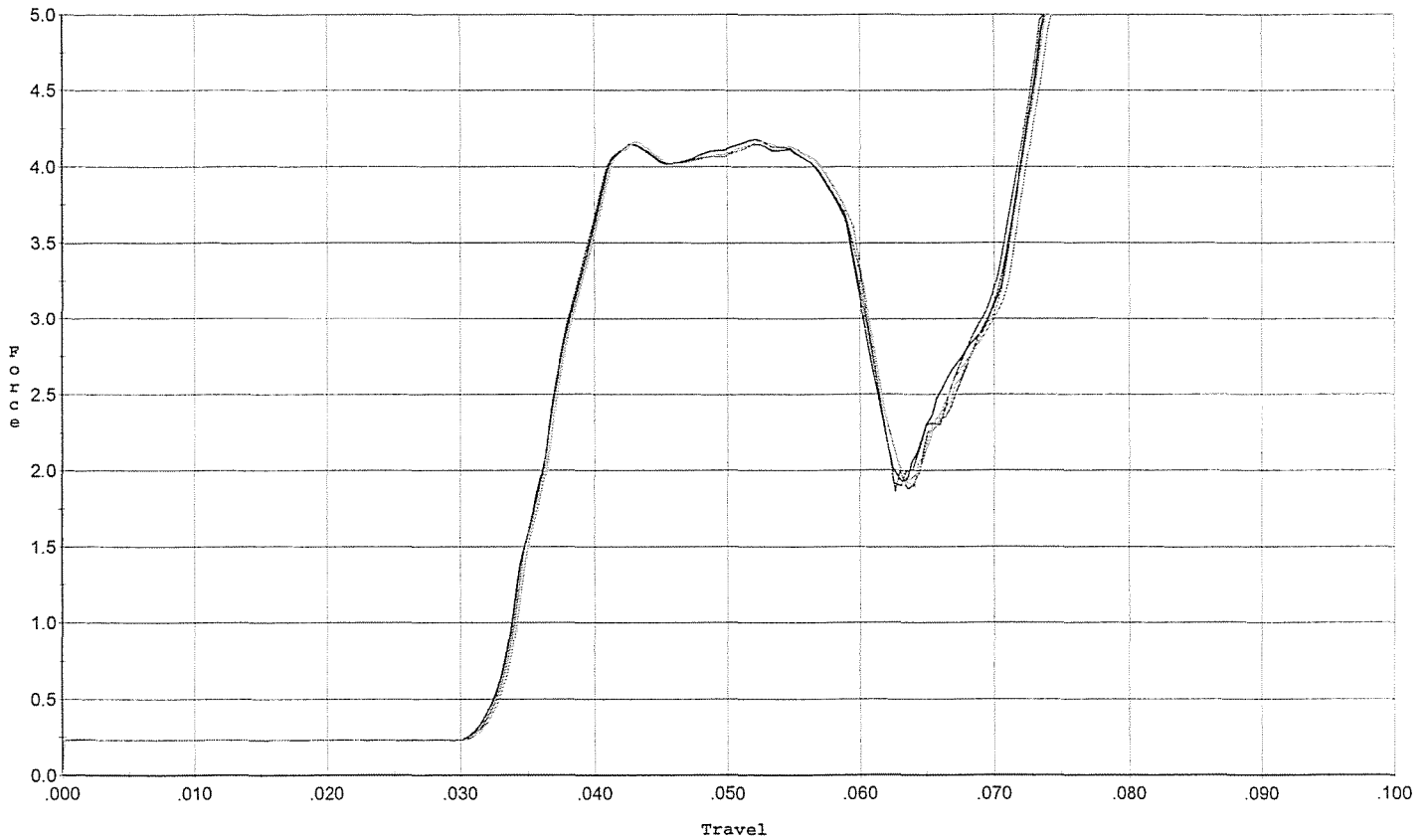
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.485	0.059	0.035	0.036	0.057		Set Trigger
2	2.451	0.059	0.034	0.036	0.056		Set Trigger
3	2.506	0.058	0.034	0.036	0.055		Set Trigger
4	2.458	0.059	0.035	0.036	0.057		Set Trigger
5	2.431	0.058	0.035	0.036	0.055		Set Trigger

AVG 2.46

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 1/18/08

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	4.152	0.060	0.032	0.019	0.104		Set Trigger
2	4.175	0.059	0.032	0.019	0.102		Set Trigger
3	4.151	0.060	0.032	0.019	0.104		Set Trigger
4	4.164	0.060	0.032	0.019	0.103		Set Trigger
5	4.166	0.060	0.032	0.019	0.103		Set Trigger

AVG 4.16

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6731486.___0
FILE DATE AND TIME: 04/16/2008 22:35

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

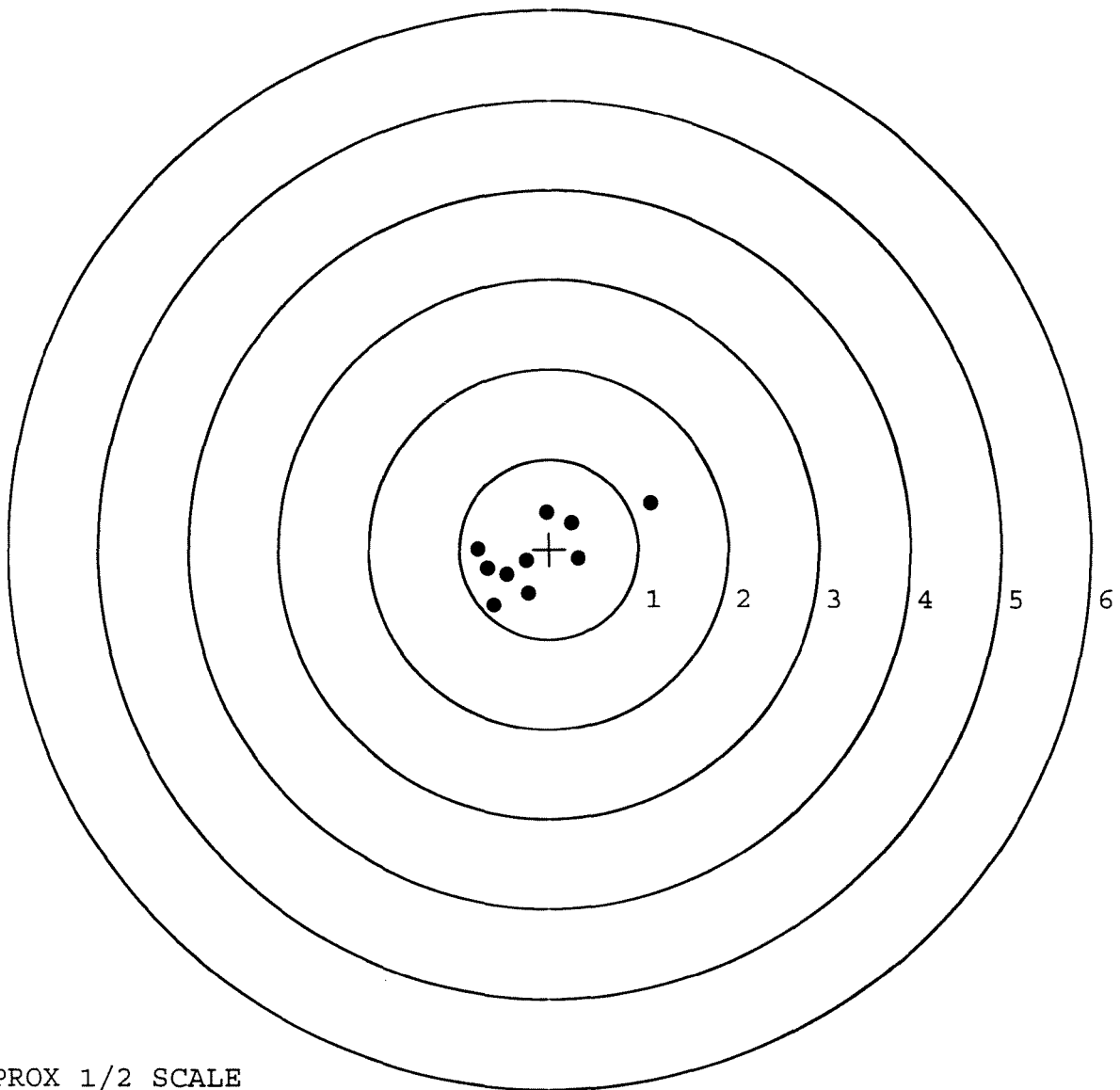
The Average X Centroid of the Five Target Set:	-0.007
The Average Y Centroid of the Five Target Set:	0.046
The Average Point of Impact of the Five Target Set:	0.046
The Average Mean Radius of the Five Target Set:	0.752
The Distance from POA to Centroid Target #1:	0.151
The Distance from Centroid Target #2 to Centroid Target #1:	0.279
The Distance from Centroid Target #3 to Centroid Target #1:	0.225
The Distance from Centroid Target #4 to Centroid Target #1:	0.321
The Distance from Centroid Target #5 to Centroid Target #1:	0.163

BARBER - M24 0000877

SERIAL NUMBER: G6731486. __0
TARGET NUMBER: 1
FILE DATE: 04/16/2008
FILE TIME: 22:35

X CENTROID: -0.136
Y CENTROID: -0.066
POA TO CENTROID: 0.151
HORZ SPREAD: 1.932
VERT SPREAD: 1.132
GROUP SPREAD: 2.088
MIN RADIUS: 0.133
MAX RADIUS: 1.395
MEAN RADIUS: 0.582
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.027	0.411
2:	0.253	0.293
3:	0.330	-0.110
4:	1.136	0.507
5:	-0.796	-0.012
6:	-0.618	-0.625
7:	-0.686	-0.218
8:	-0.252	-0.131
9:	-0.233	-0.493
10:	-0.470	-0.281



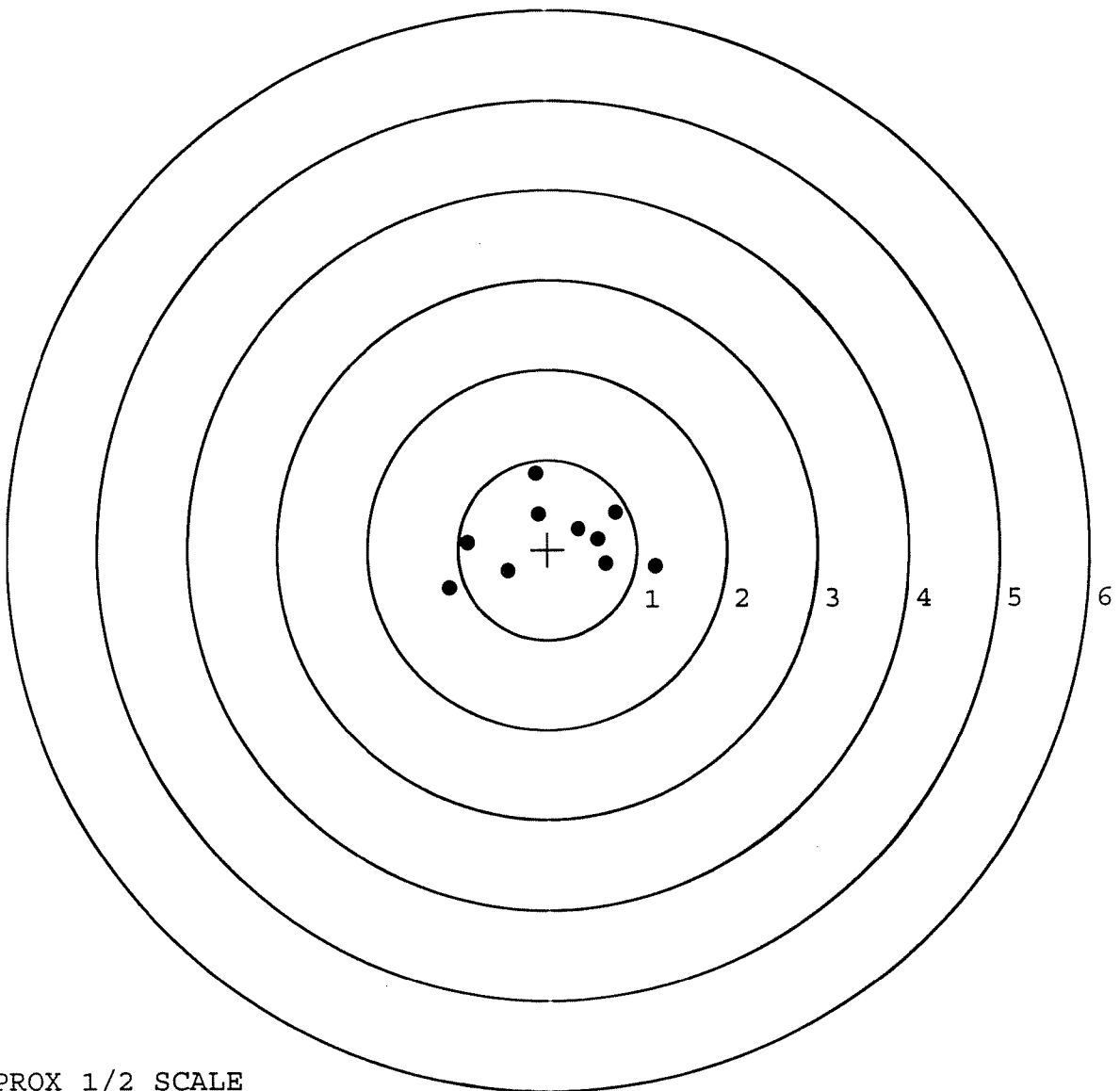
TARGET APPROX 1/2 SCALE

BARBER - M24 0000878

SERIAL NUMBER: G6731486.____0
TARGET NUMBER: 2
FILE DATE: 04/16/2008
FILE TIME: 22:35

X CENTROID: 0.085
Y CENTROID: 0.103
POA TO CENTROID: 0.134
HORZ SPREAD: 2.300
VERT SPREAD: 1.273
GROUP SPREAD: 2.311
MIN RADIUS: 0.281
MAX RADIUS: 1.295
MEAN RADIUS: 0.731
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.130	0.851
2:	-0.103	0.387
3:	-0.896	0.077
4:	-0.443	-0.235
5:	-1.098	-0.422
6:	0.766	0.402
7:	0.340	0.221
8:	0.649	-0.162
9:	0.566	0.109
10:	1.202	-0.198



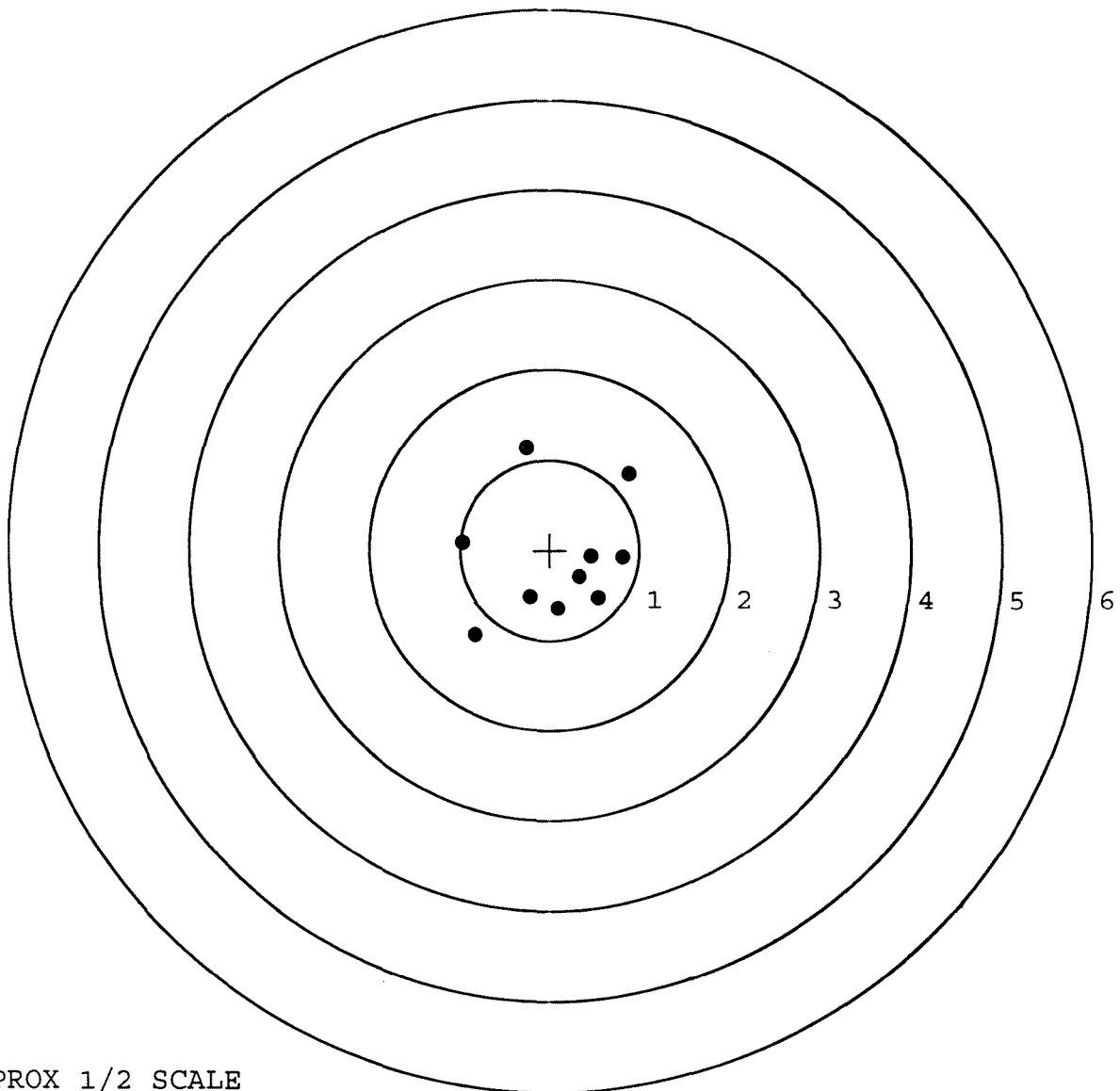
TARGET APPROX 1/2 SCALE

BARBER - M24 0000879

SERIAL NUMBER: G6731486. __0
TARGET NUMBER: 3
FILE DATE: 04/16/2008
FILE TIME: 22:35

X CENTROID: 0.086
Y CENTROID: -0.103
POA TO CENTROID: 0.134
HORZ SPREAD: 1.866
VERT SPREAD: 2.074
GROUP SPREAD: 2.151
MIN RADIUS: 0.310
MAX RADIUS: 1.281
MEAN RADIUS: 0.796
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.258	1.132
2:	0.891	0.845
3:	0.820	-0.080
4:	0.466	-0.068
5:	0.329	-0.295
6:	0.541	-0.531
7:	0.095	-0.649
8:	-0.222	-0.520
9:	-0.829	-0.942
10:	-0.975	0.083



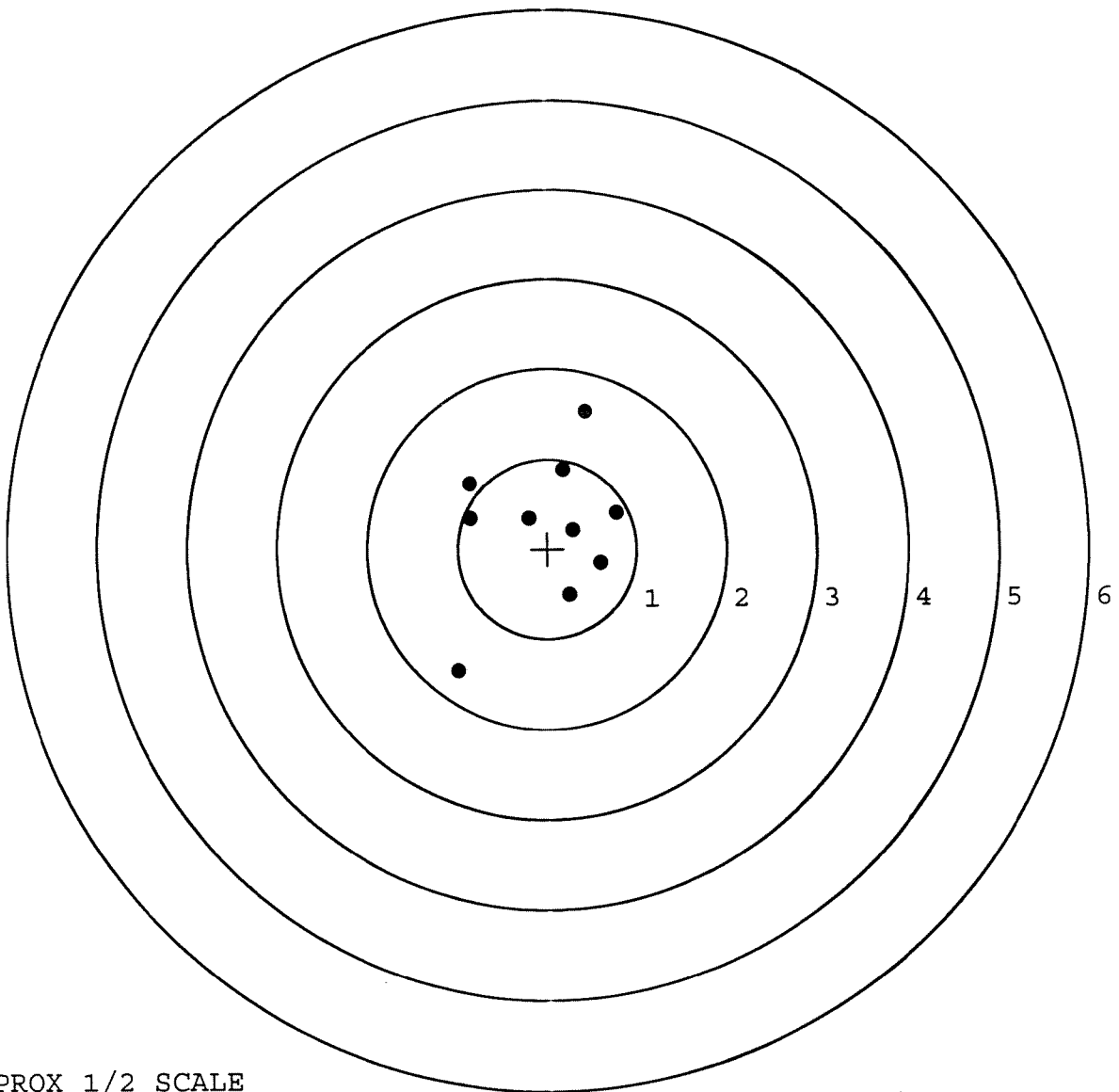
TARGET APPROX 1/2 SCALE

BARBER - M24 0000880

SERIAL NUMBER: G6731486. __0
TARGET NUMBER: 4
FILE DATE: 04/16/2008
FILE TIME: 22:35

X CENTROID: -0.043
Y CENTROID: 0.241
POA TO CENTROID: 0.245
HORZ SPREAD: 1.778
VERT SPREAD: 2.884
GROUP SPREAD: 3.220
MIN RADIUS: 0.190
MAX RADIUS: 1.867
MEAN RADIUS: 0.860
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.864	0.733
2:	-0.859	0.343
3:	-0.205	0.341
4:	0.175	0.883
5:	0.428	1.524
6:	0.774	0.401
7:	0.283	0.208
8:	0.597	-0.155
9:	0.245	-0.508
10:	-1.004	-1.360



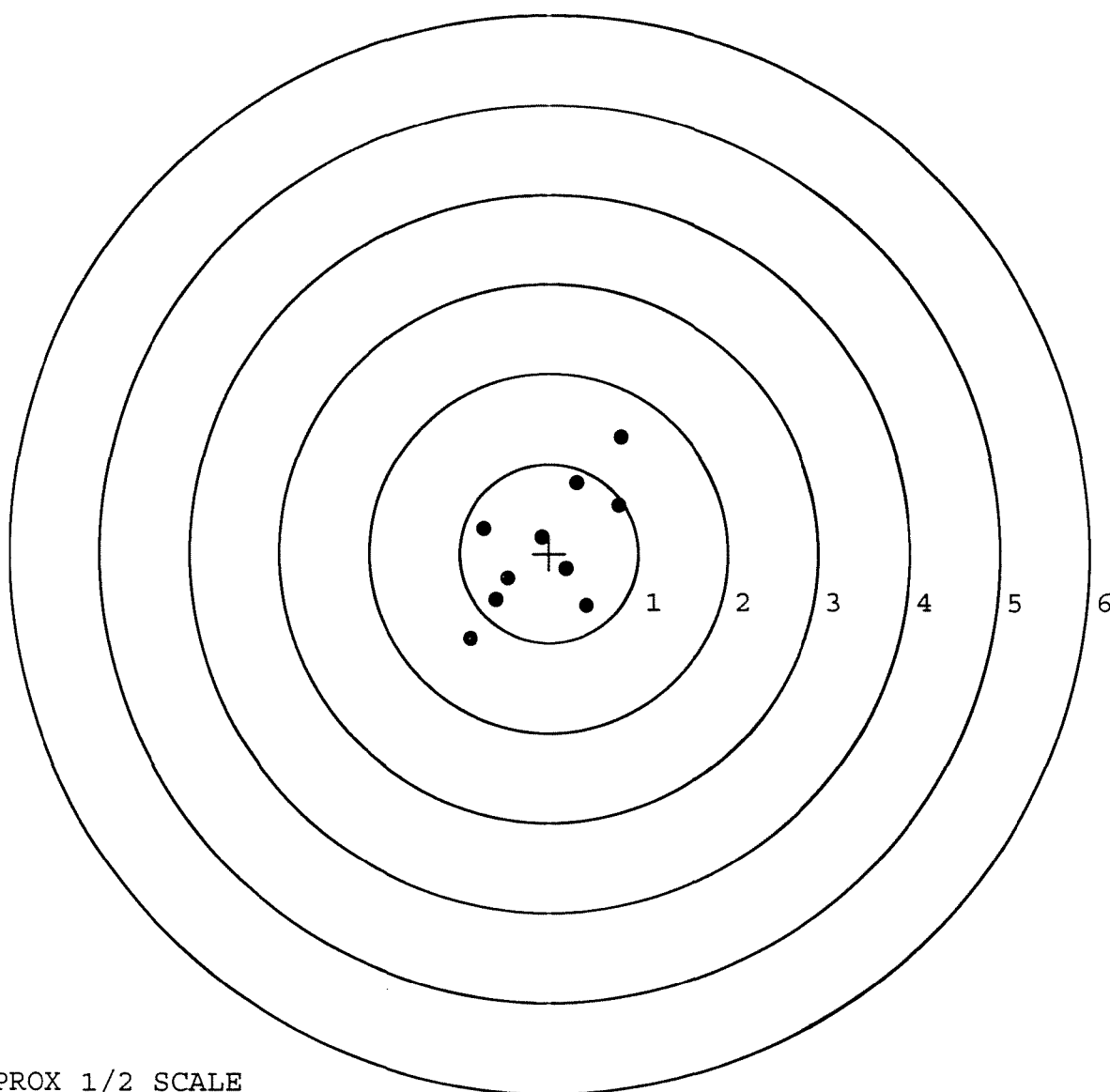
TARGET APPROX 1/2 SCALE

BARBER - M24 0000881

SERIAL NUMBER: G6731486. __ 0
TARGET NUMBER: 5
FILE DATE: 04/16/2008
FILE TIME: 22:35

X CENTROID: -0.025
Y CENTROID: 0.053
POA TO CENTROID: 0.059
HORZ SPREAD: 1.689
VERT SPREAD: 2.254
GROUP SPREAD: 2.817
MIN RADIUS: 0.140
MAX RADIUS: 1.491
MEAN RADIUS: 0.791
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.804	1.293
2:	0.312	0.791
3:	0.784	0.528
4:	-0.084	0.180
5:	-0.732	0.274
6:	-0.461	-0.281
7:	-0.595	-0.526
8:	-0.885	-0.961
9:	0.193	-0.175
10:	0.418	-0.590



TARGET APPROX 1/2 SCALE