

BARBER - M24 0177436

G6693301

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 0177436 M2409177475

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

- INSTRUCTION BOOK 3518

BM FORM



ORDER NO.	25716
BARREL LENGTH	24"
CAPACITY	6
G6693301	
UPC	

BARBER - M24 0177438

ORDER — 25716

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)

UPC



0 47700 25716 7

ORDER 25716

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)

UPC



0 47700 25716 7

SERIAL NO.



66693301

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0177438 **M24Q9177477**

M-24
BARBER - M24 0177439 INSPECTION CHECKLIST-NEW GUNS

M

GUN SERIAL # G6693301

OP #	OPERATION NAME	READINGS	DATE	INITIAL
410	SERIALIZE BOLT HANDLE		10/10/07	SPD
420	ASSEMBLE ACTION		10-9-07	SD
430	ASSEMBLE TO STOCK		10-10-07	SD
440	PROOF	MAGNA - FLUX	10/10/07	MTM
460	CHECK HEADSPACE		10/10/07	MTM
470	DIS-ASSEMBLE ACTION		10-10-07	SD
480	MAGNAFLUX BBL ACTION	OPERATOR <u>mm</u>	10/15/07	mm
490	MAGNAFLUX BOLT			
500	ROLLMARK CALIBER		10-20-07	CW
510	DRILL AND TAP SIGHT HOLES		10-11-07	SD
520	GOFF BLAST BBL / REC		10/15/07	(LS)
530 & 540	APPLY COATINGS (BARREL ACTION)			
	(BOLT)		10/16/07	RB
560	RE-ASSEMBLE ACTION			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		10/22/07	RP
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		10/22/07	RP
	C) INSPECT EJECTOR HOLE FOR CHAMFER		10/22/07	RP
	D) OIL FIRING PIN ASSEMBLY		10/24/07	SPD
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE 2.50 LBS +/- .5 LBS		10/30/07	mm

F004 REV 5/2006

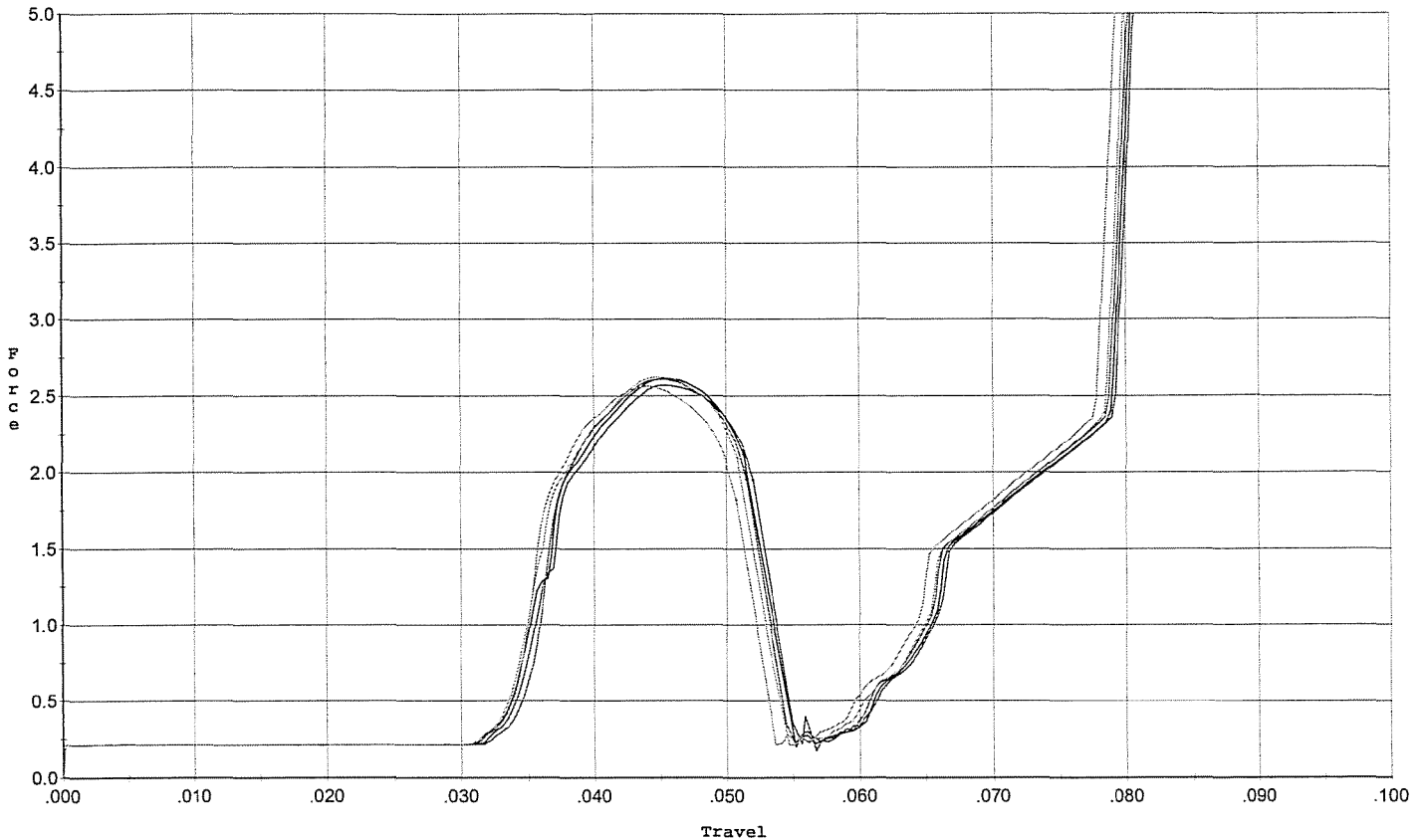
OP #	OPERATION NAME	READINGS	DATE	INITIAL
560	F) SAFETY ON FORCE 2 LBS MIN 10 LBS MAX	<u>6.5</u> <u>5.5</u> <u>5.9</u>	10/29/07	mon
CONT.				
	G) SAFETY OFF FORCE 2 LBS MIN	<u>5.5</u> <u>5.75</u> <u>5.75</u>	10/29/07	mon
	H) TRIGGER PULL TEST AND RETAINABILITY		10/30/07	mon
	I) FIRING PIN INDENT .020 MIN	<u>.021</u> <u>.021</u> <u>.0215</u>	10-30-07	TRW
	J) ASSEMBLE STOCK		10/24/07	SPD
	K) ASSEMBLE SWIVEL STUDS		10/30/07	mon
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		10/30/07	mon
	M) IRON SIGHT ALIGNMENT		10/30/07	mon
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		10/30/07	mon
640 & 650	FUNCTION TEST AND TARGET	<u>PASS</u> FAIL <u>PASS</u> FAIL	10/25/07	MTW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
660	INSPECT FOR LIVE AMMO		10-25-07	SD
670	FINAL INSPECTION A) HEADSPACE		10/30/07	mon
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>256</u> <u>245</u> <u>247</u> <u>243</u> <u>243</u>	10/29/07	MSM
	C) FUNCTION		10/30/07	mon
690	PACK		10/31/07	DA

F004 REV 5/2006

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 10/22/07

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



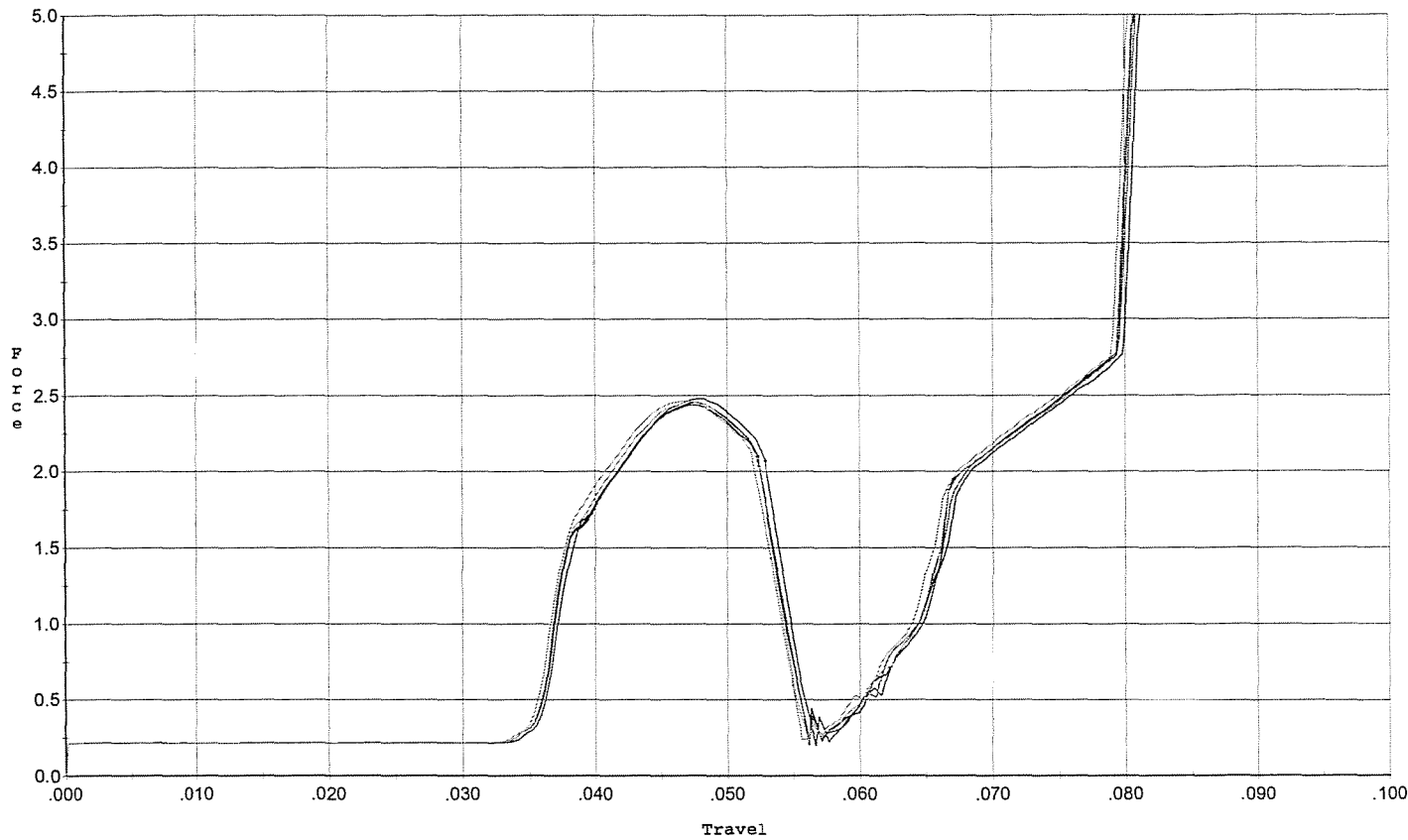
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.569	0.052	0.034	0.035	0.046		Set Trigger
2	2.615	0.051	0.033	0.035	0.046		Set Trigger
3	2.609	0.052	0.034	0.035	0.045		Set Trigger
4	2.623	0.051	0.033	0.035	0.046		Set Trigger
5	2.564	0.051	0.033	0.034	0.044		Set Trigger

Avg 2.59

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/22/07

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



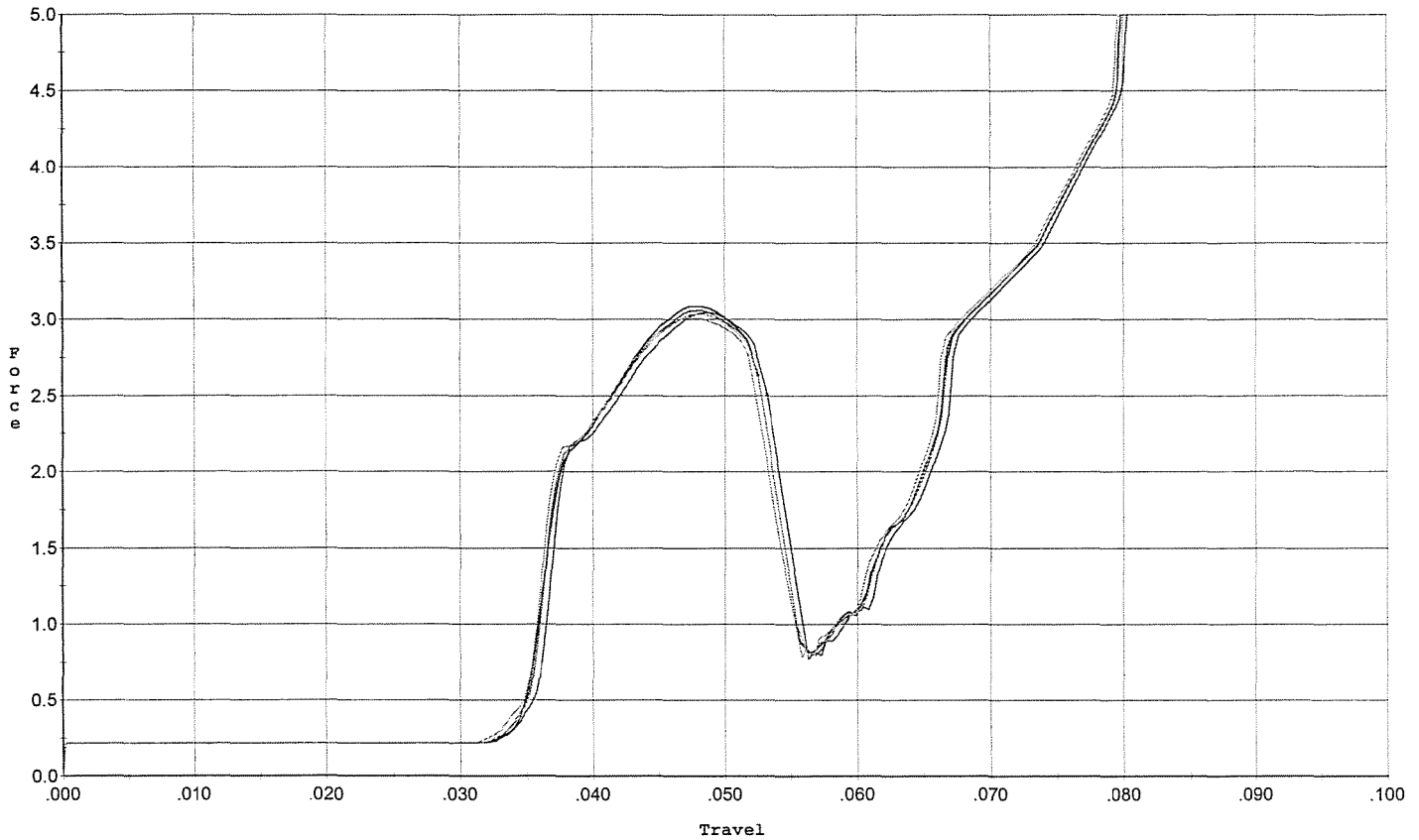
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.480	0.053	0.036	0.035	0.043		Set Trigger
2	2.454	0.052	0.036	0.035	0.042		Set Trigger
3	2.439	0.052	0.036	0.035	0.042		Set Trigger
4	2.466	0.053	0.035	0.034	0.044		Set Trigger
5	2.461	0.052	0.035	0.035	0.043		Set Trigger

AVG 2.46

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/22/07

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



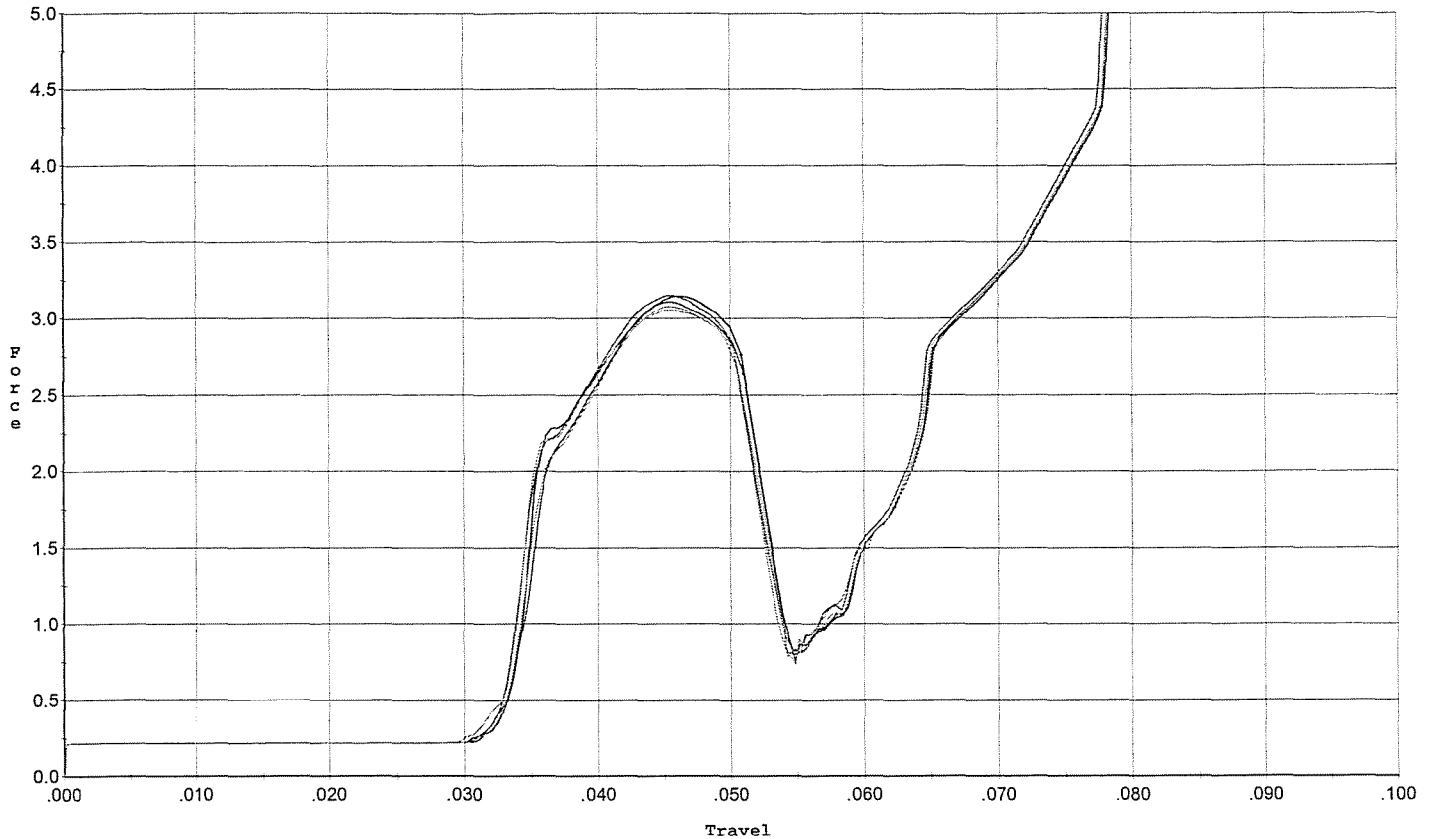
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.044	0.053	0.035	0.033	0.054		Set Trigger
2	3.085	0.052	0.034	0.033	0.054		Set Trigger
3	3.058	0.052	0.034	0.033	0.054		Set Trigger
4	3.035	0.052	0.034	0.033	0.053		Set Trigger
5	3.012	0.052	0.035	0.033	0.053		Set Trigger

AVG 3.04

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/22/07

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



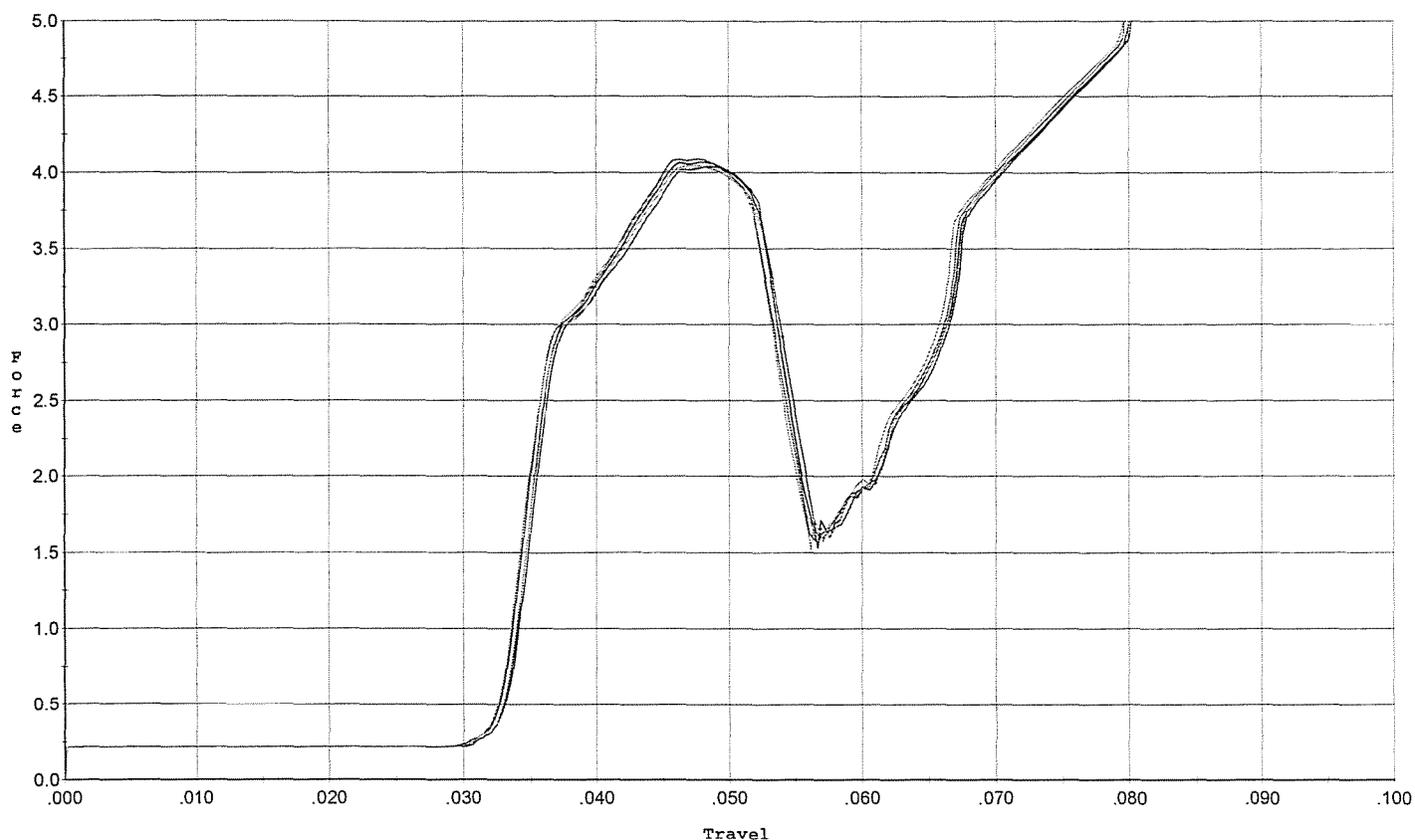
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.107	0.051	0.033	0.033	0.054		Set Trigger
2	3.147	0.051	0.032	0.032	0.055		Set Trigger
3	3.150	0.050	0.032	0.033	0.054		Set Trigger
4	3.055	0.052	0.033	0.032	0.055		Set Trigger
5	3.078	0.050	0.032	0.033	0.054		Set Trigger

AVG 3.10

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/22/07

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



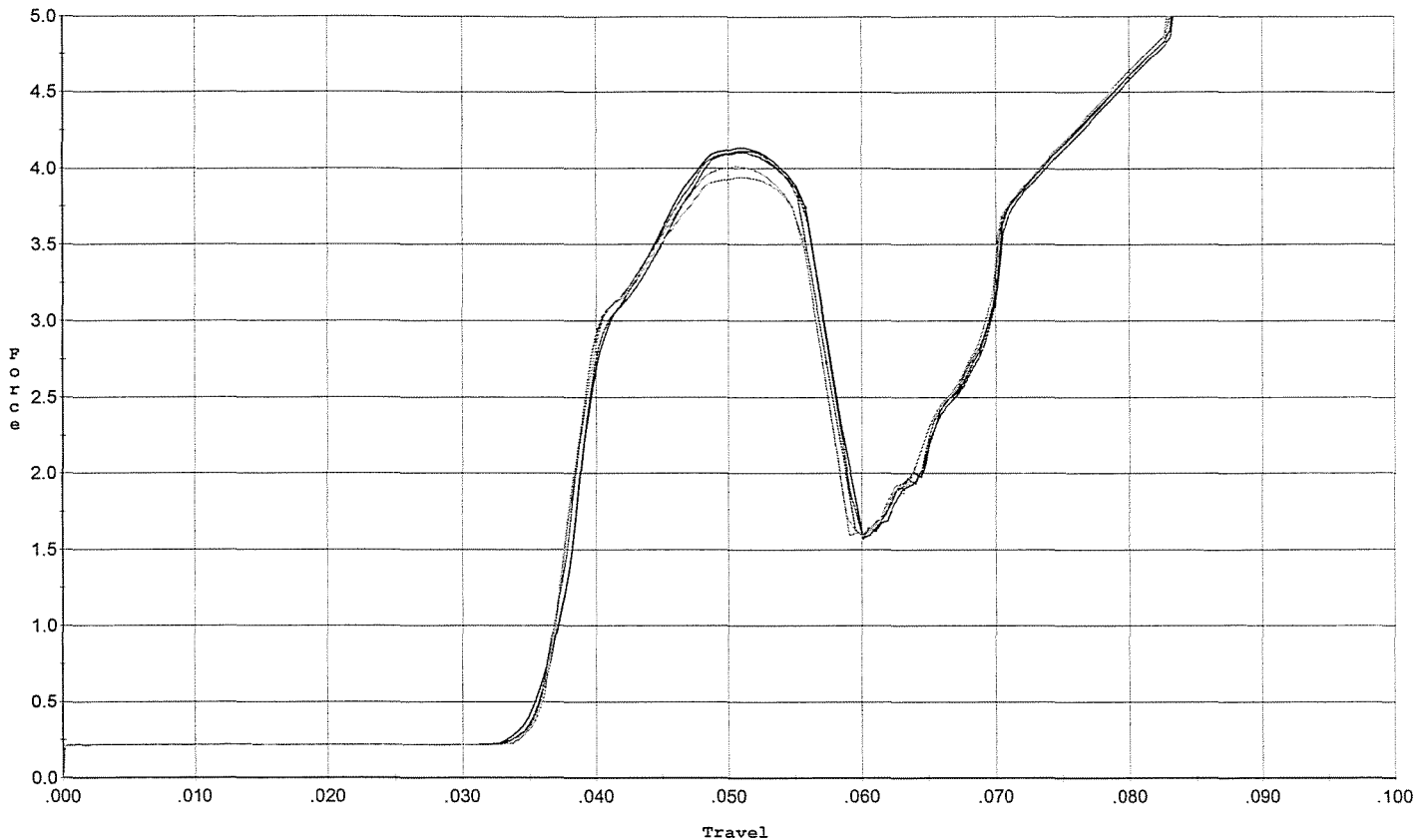
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.039	0.054	0.033	0.031	0.077		Set Trigger
2	4.069	0.052	0.033	0.032	0.074		Set Trigger
3	4.089	0.052	0.032	0.032	0.074		Set Trigger
4	4.037	0.053	0.033	0.032	0.074		Set Trigger
5	4.045	0.052	0.032	0.032	0.074		Set Trigger

Avg 4.05

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 10/22/07

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



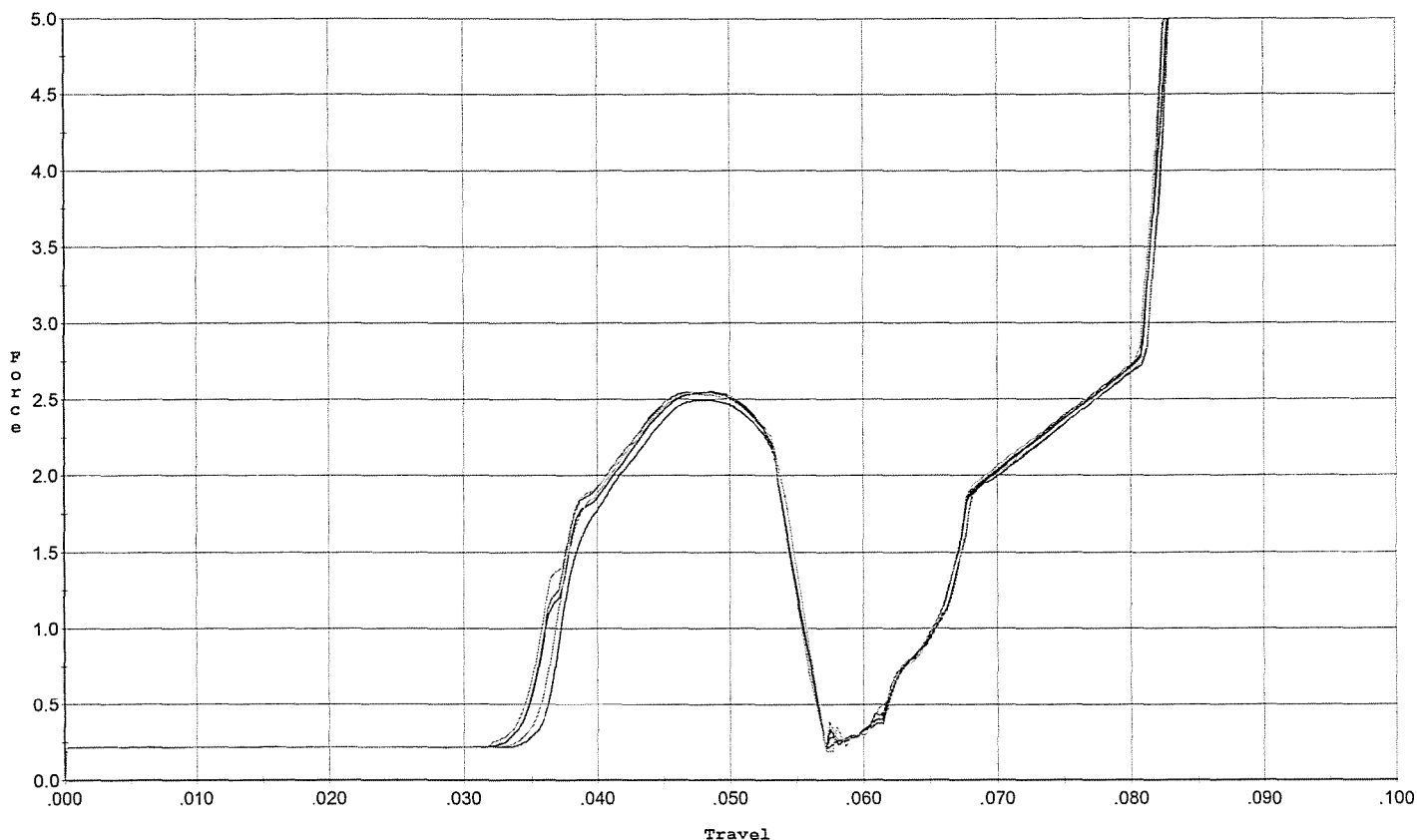
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.104	0.056	0.035	0.031	0.077		Set Trigger
2	4.133	0.056	0.035	0.031	0.077		Set Trigger
3	4.115	0.057	0.035	0.031	0.079		Set Trigger
4	3.943	0.056	0.035	0.032	0.075		Set Trigger
5	4.010	0.056	0.035	0.031	0.076		Set Trigger

Avg 4.06

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/22/07

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



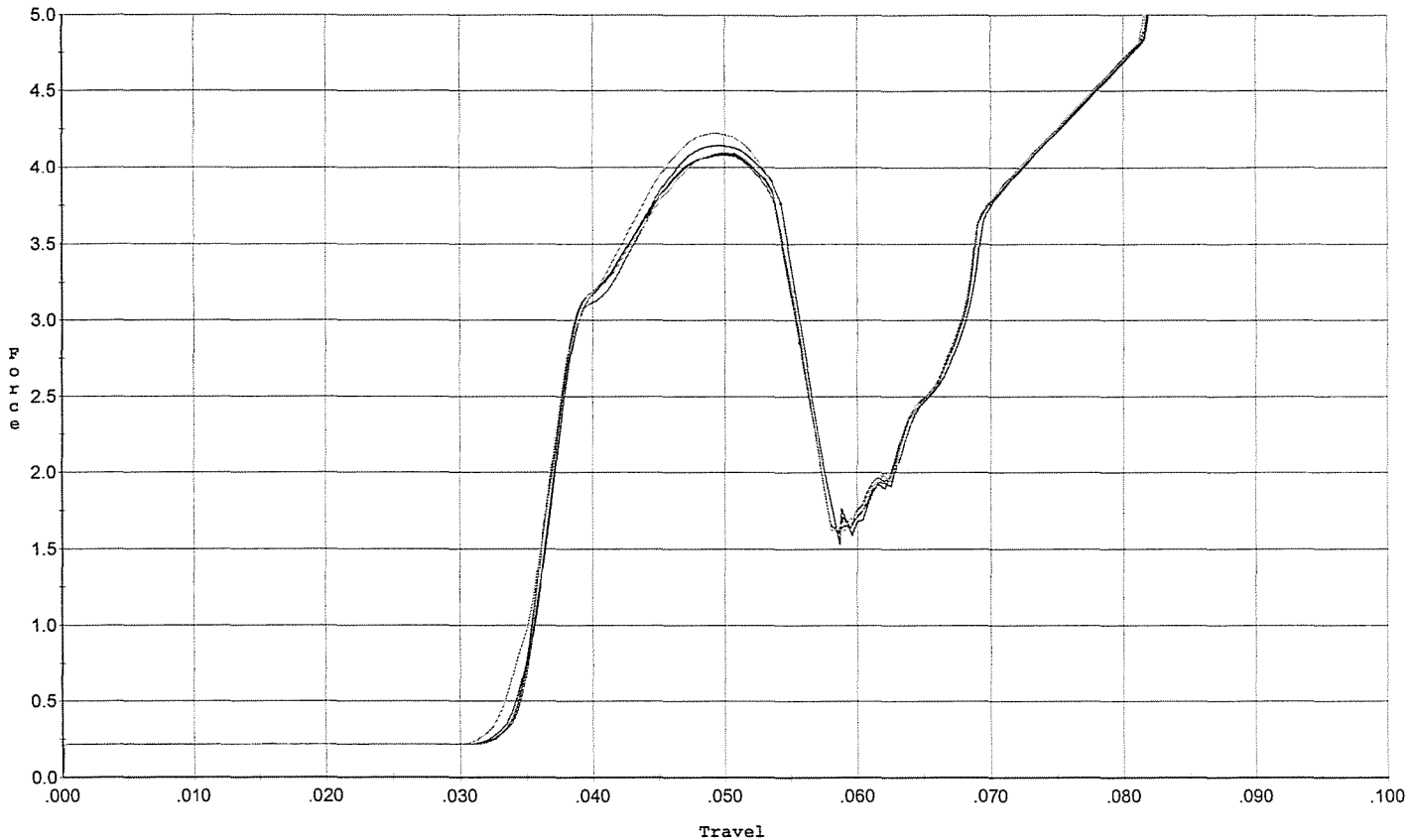
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.493	0.053	0.036	0.036	0.045		Set Trigger
2	2.550	0.053	0.034	0.035	0.047		Set Trigger
3	2.548	0.053	0.034	0.035	0.047		Set Trigger
4	2.546	0.054	0.035	0.035	0.048		Set Trigger
5	2.534	0.053	0.034	0.035	0.048		Set Trigger

Avg 2.53

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/22/07

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	4.142	0.054	0.034	0.031	0.077		Set Trigger
2	4.088	0.056	0.034	0.031	0.079		Set Trigger
3	4.079	0.056	0.034	0.031	0.078		Set Trigger
4	4.096	0.055	0.034	0.031	0.078		Set Trigger
5	4.222	0.055	0.033	0.031	0.081		Set Trigger

AVG 4.12

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6693301.___0
FILE DATE AND TIME: 10/26/2007 05:43

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.093
The Average Y Centroid of the Five Target Set:	0.158
The Average Point of Impact of the Five Target Set:	0.183
The Average Mean Radius of the Five Target Set:	0.781
The Distance from POA to Centroid Target #1:	0.434
The Distance from Centroid Target #2 to Centroid Target #1:	0.172
The Distance from Centroid Target #3 to Centroid Target #1:	0.417
The Distance from Centroid Target #4 to Centroid Target #1:	0.509
The Distance from Centroid Target #5 to Centroid Target #1:	0.337

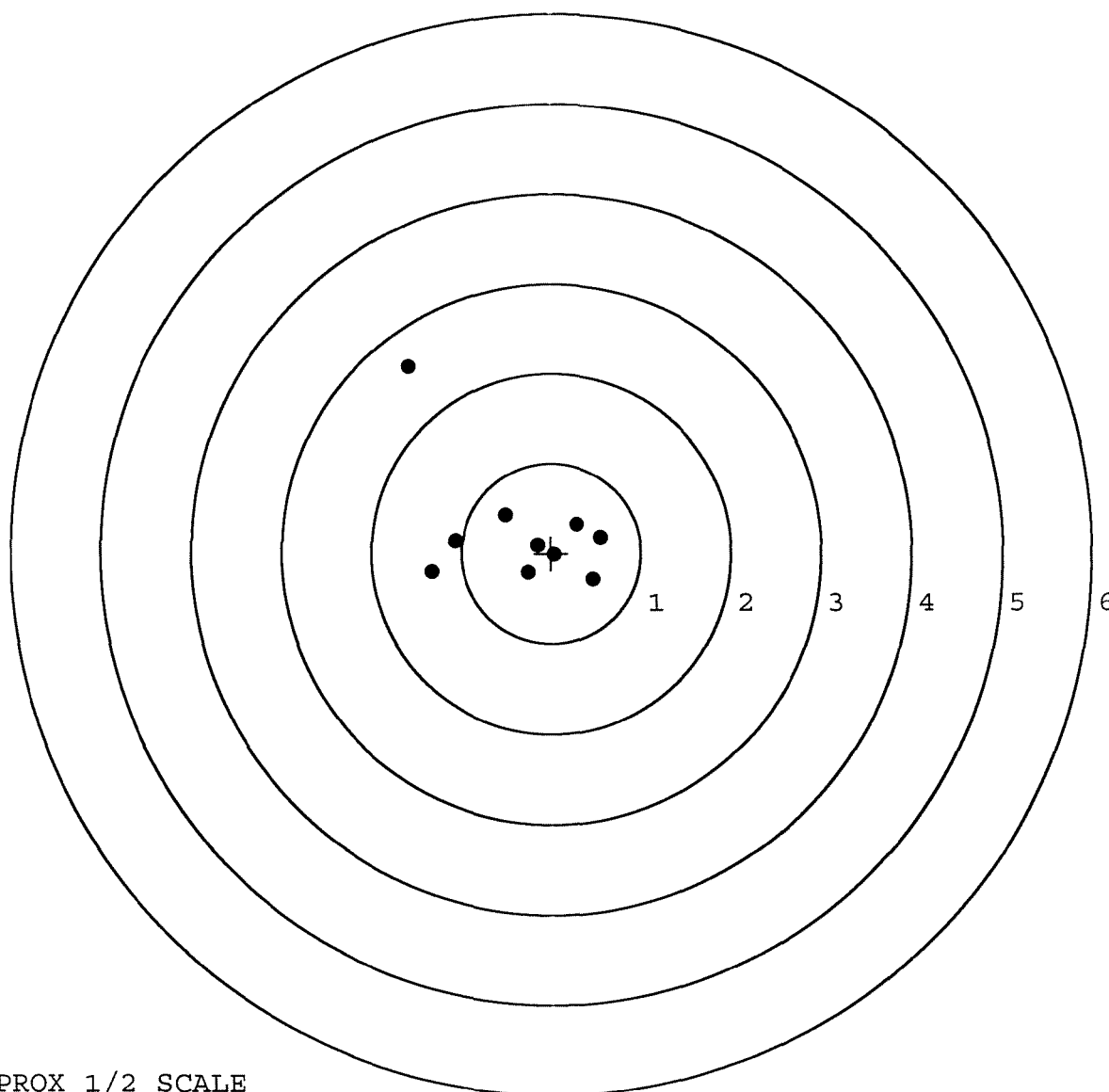
BARBER - M24 0177450

SERIAL NUMBER: G6693301. __0
TARGET NUMBER: 1
FILE DATE: 10/26/2007
FILE TIME: 05:43

X CENTROID: -0.355
Y CENTROID: 0.250
POA TO CENTROID: 0.434
HORZ SPREAD: 2.131
VERT SPREAD: 2.366
GROUP SPREAD: 3.133
MIN RADIUS: 0.231
MAX RADIUS: 2.200
MEAN RADIUS: 0.797

POINT#	X	Y
1:	0.472	-0.290
2:	0.549	0.180
3:	0.282	0.320
4:	0.038	-0.015
5:	-0.147	0.093
6:	-0.256	-0.214
7:	-0.511	0.421
8:	-1.067	0.140
9:	-1.327	-0.208
10:	-1.582	2.076

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



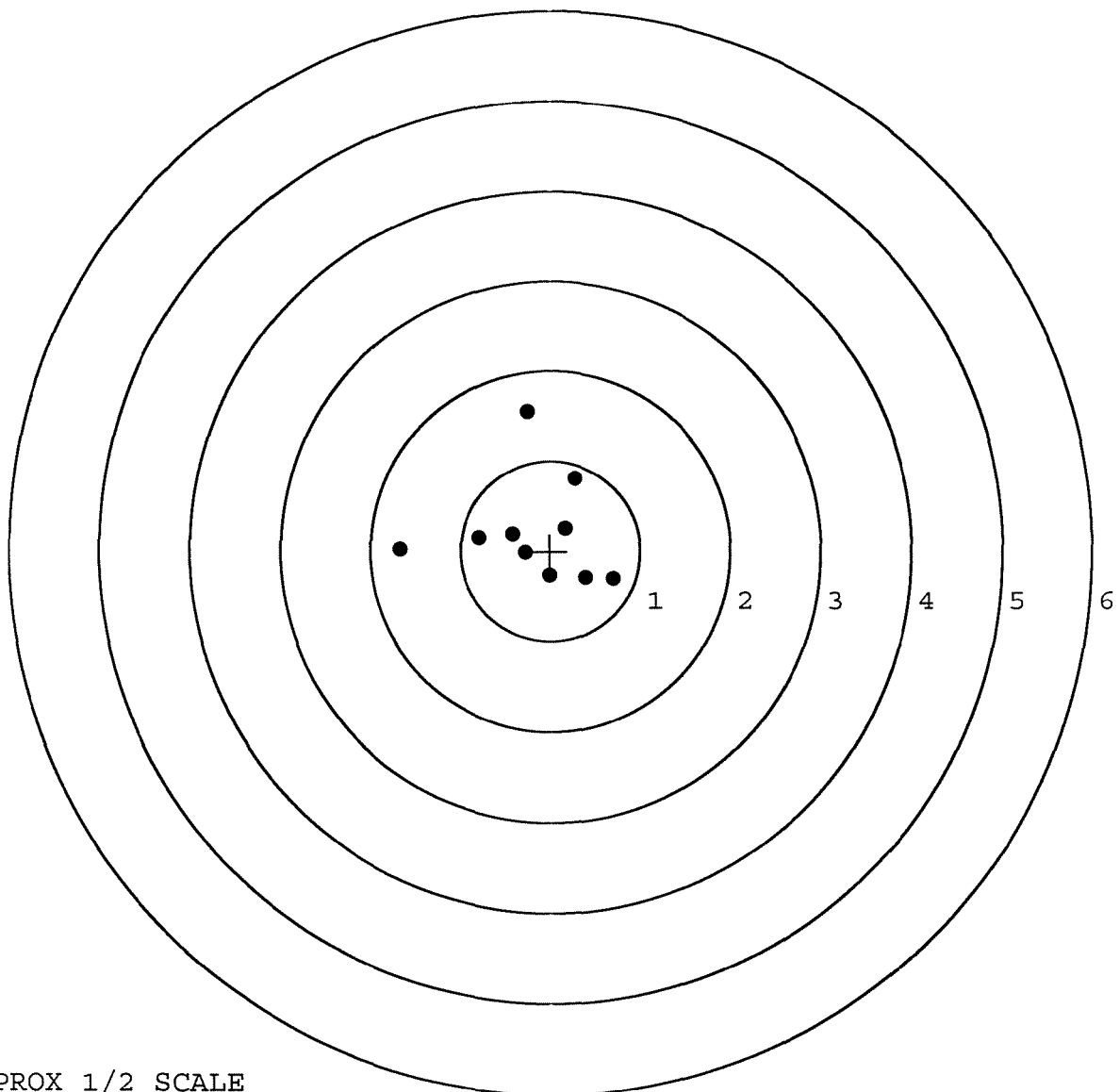
TARGET APPROX 1/2 SCALE

BARBER - M24 0177451

SERIAL NUMBER: G6693301. __0
TARGET NUMBER: 2
FILE DATE: 10/26/2007
FILE TIME: 05:43

POINT#	X	Y
1:	0.705	-0.304
2:	0.399	-0.293
3:	-0.010	-0.271
4:	0.277	0.800
5:	0.163	0.247
6:	-0.280	-0.015
7:	-0.421	0.187
8:	-0.799	0.153
9:	-1.668	0.024
10:	-0.254	1.543

X CENTROID: -0.189
Y CENTROID: 0.207
POA TO CENTROID: 0.280
HORZ SPREAD: 2.373
VERT SPREAD: 1.847
GROUP SPREAD: 2.396
MIN RADIUS: 0.233
MAX RADIUS: 1.490
MEAN RADIUS: 0.733
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



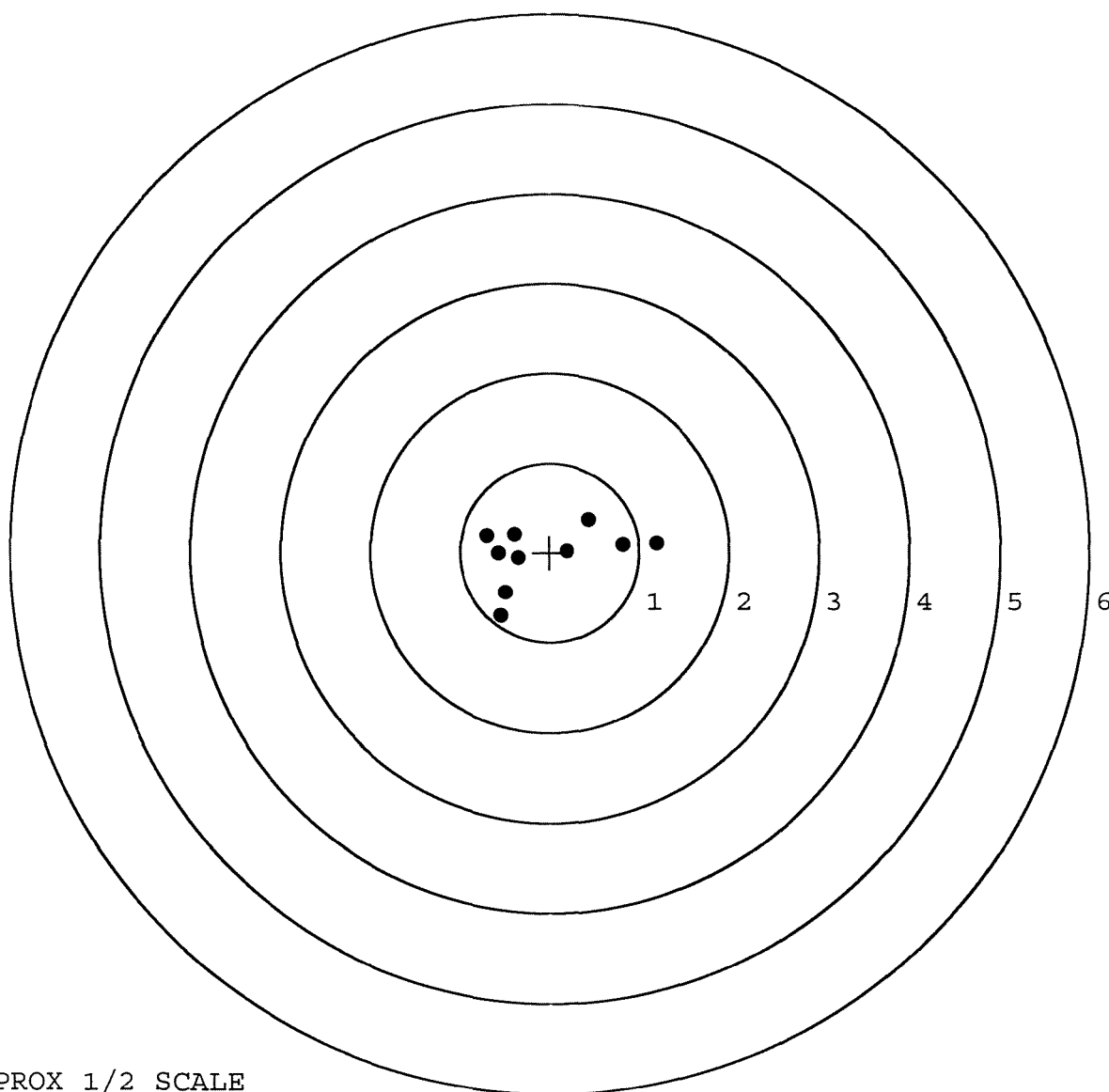
TARGET APPROX 1/2 SCALE

BARBER - M24 0177452

SERIAL NUMBER: G6693301. __0
TARGET NUMBER: 3
FILE DATE: 10/26/2007
FILE TIME: 05:43

POINT#	X	Y
1:	1.196	0.105
2:	0.821	0.092
3:	0.438	0.373
4:	0.200	0.019
5:	-0.551	-0.707
6:	-0.494	-0.453
7:	-0.352	-0.063
8:	-0.572	-0.011
9:	-0.399	0.201
10:	-0.704	0.191

X CENTROID: -0.042
Y CENTROID: -0.025
POA TO CENTROID: 0.049
HORZ SPREAD: 1.900
VERT SPREAD: 1.080
GROUP SPREAD: 1.926
MIN RADIUS: 0.246
MAX RADIUS: 1.245
MEAN RADIUS: 0.642
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



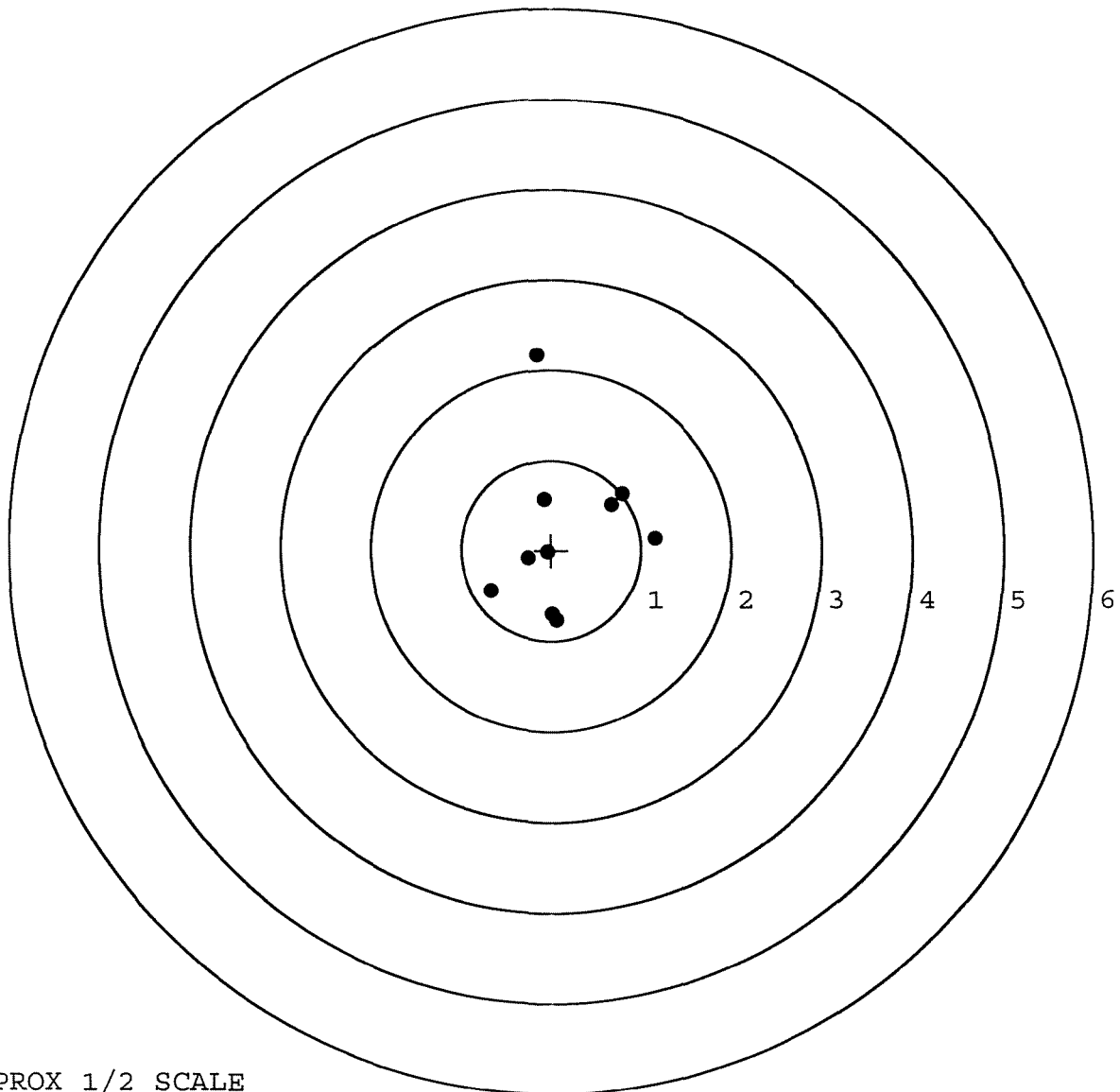
TARGET APPROX 1/2 SCALE

BARBER - M24 0177453

SERIAL NUMBER: G6693301. __0
TARGET NUMBER: 4
FILE DATE: 10/26/2007
FILE TIME: 05:43

POINT#	X	Y
1:	1.156	0.133
2:	0.800	0.620
3:	0.676	0.500
4:	-0.079	0.561
5:	0.017	-0.709
6:	-0.042	-0.022
7:	-0.257	-0.100
8:	-0.670	-0.456
9:	0.063	-0.778
10:	-0.154	2.162

X CENTROID: 0.151
Y CENTROID: 0.191
POA TO CENTROID: 0.244
HORZ SPREAD: 1.826
VERT SPREAD: 2.940
GROUP SPREAD: 2.948
MIN RADIUS: 0.288
MAX RADIUS: 1.994
MEAN RADIUS: 0.854
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

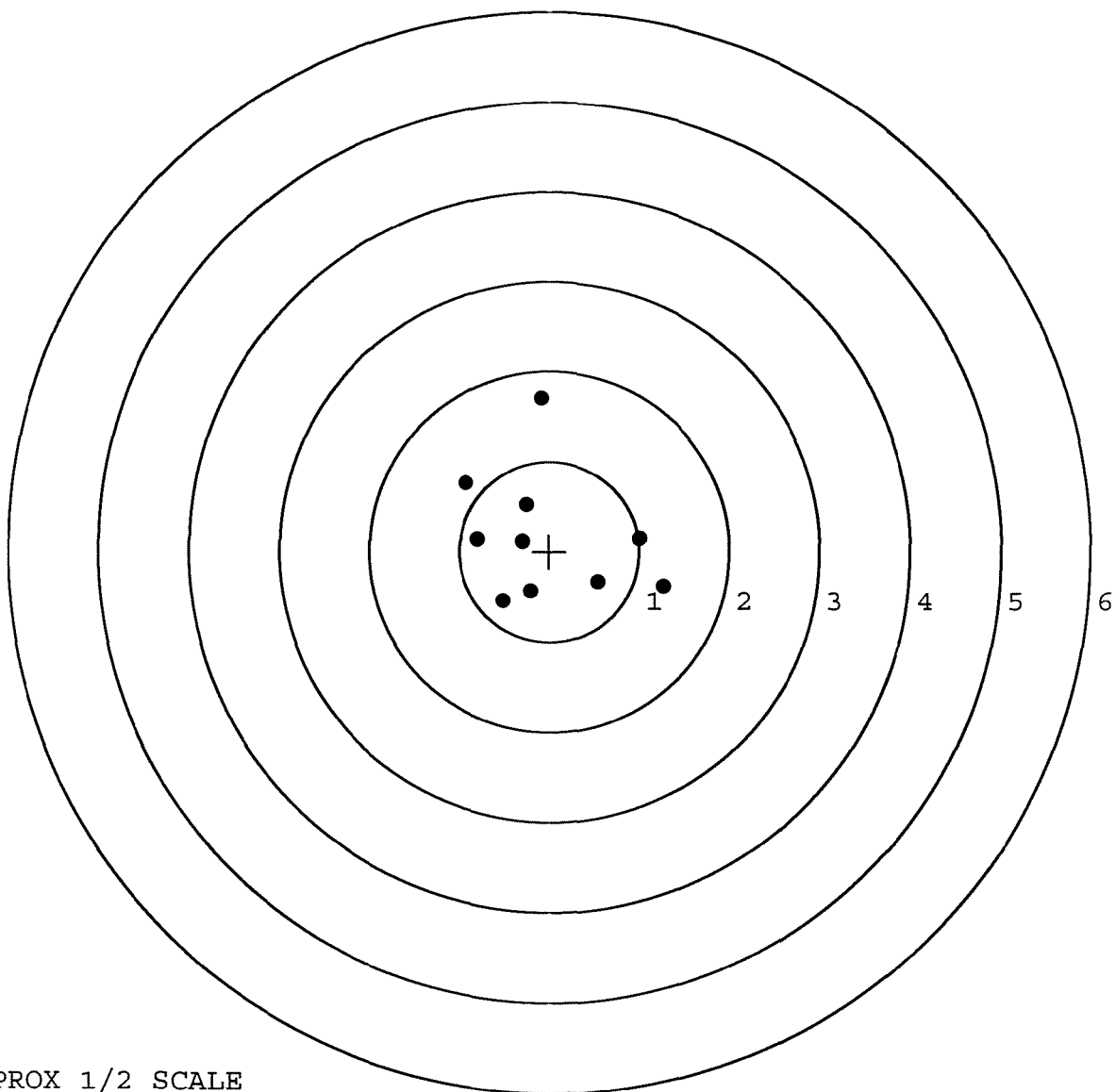
BARBER - M24 0177454

SERIAL NUMBER: G6693301. __0
TARGET NUMBER: 5
FILE DATE: 10/26/2007
FILE TIME: 05:43

X CENTROID: -0.029
Y CENTROID: 0.165
POA TO CENTROID: 0.167
HORZ SPREAD: 2.200
VERT SPREAD: 2.250
GROUP SPREAD: 2.492
MIN RADIUS: 0.278
MAX RADIUS: 1.534
MEAN RADIUS: 0.879

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.270	-0.391
2:	0.541	-0.337
3:	1.004	0.144
4:	-0.089	1.698
5:	-0.930	0.759
6:	-0.801	0.137
7:	-0.259	0.518
8:	-0.302	0.113
9:	-0.209	-0.441
10:	-0.515	-0.552



TARGET APPROX 1/2 SCALE