

C6523513

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00129038

Serial: C6523513 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

New 5/8/2007 7:18:28 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: ISSD ARMSROOM

ISSD ARMSROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

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
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

5/8/2007

7:28 AM

CAPS

NUM

INS

SCRL



3 Micros...

2 Micros...

4 Intern...

Part Search...

Arms Servi...



7:28 AM

Serial:
Number:

C6523513

Model: M24 SWS



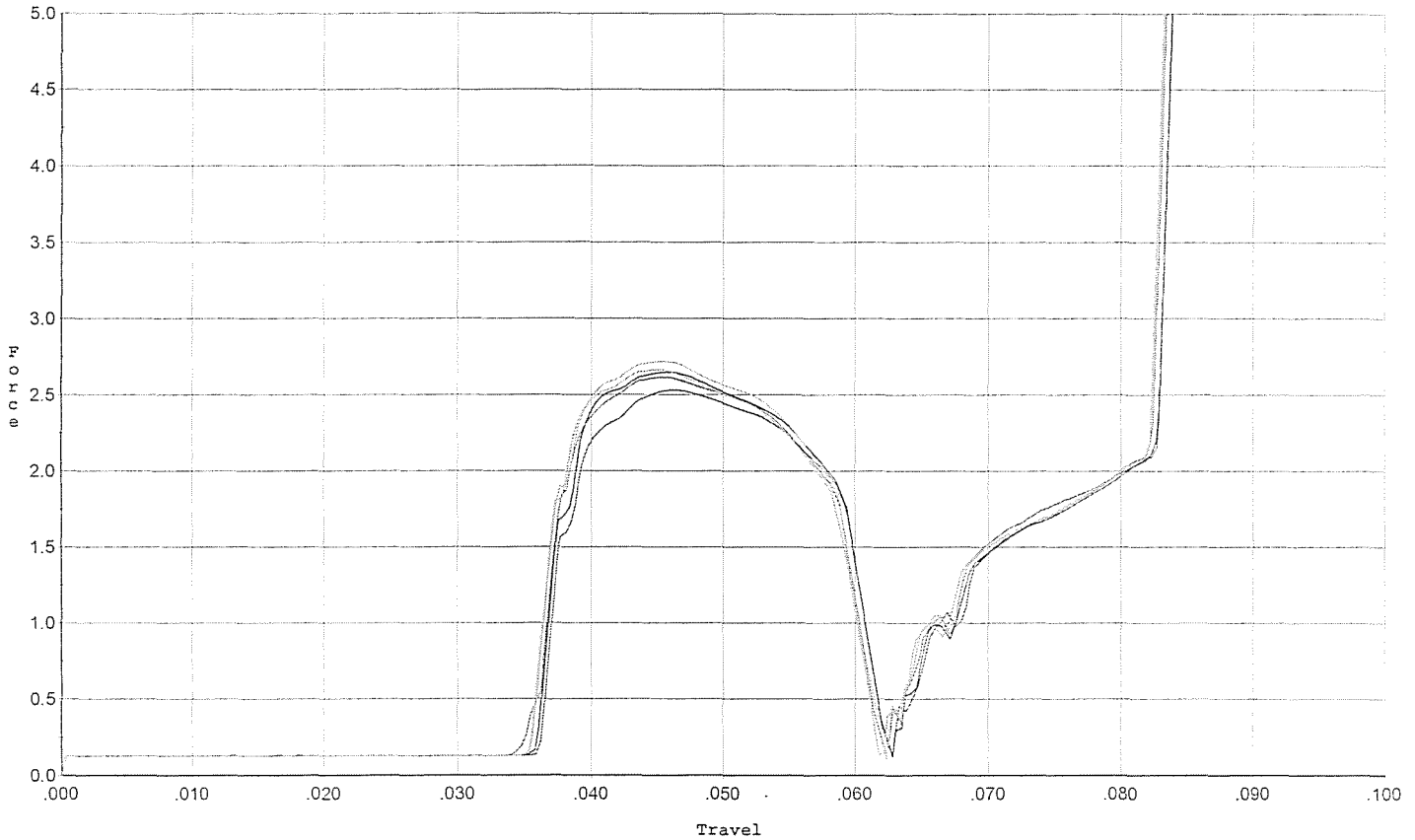
RE00129038

SN/ 89-0025

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 6/05/07

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



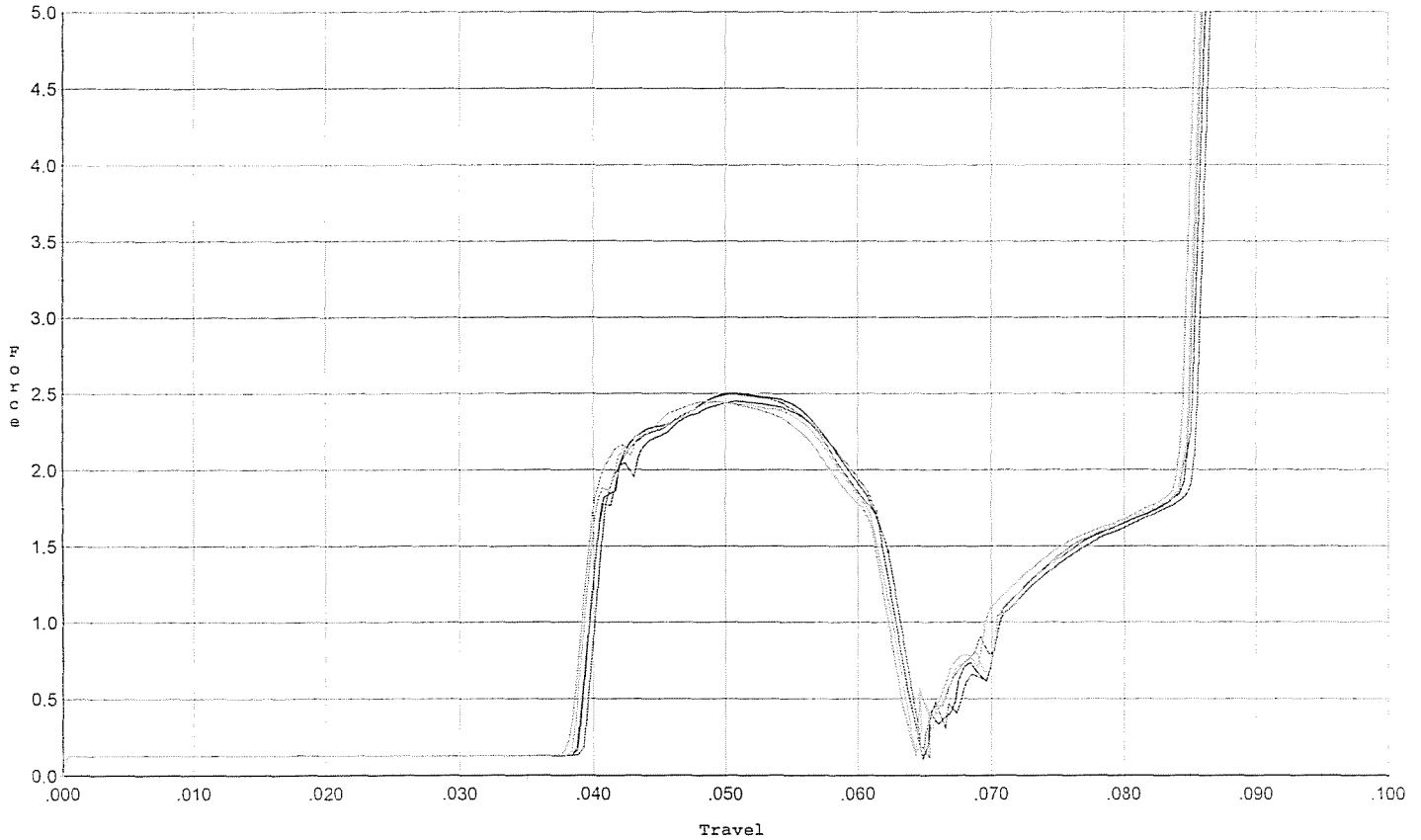
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.532	0.059	0.036	0.031	0.056		Set Trigger
2	2.647	0.059	0.036	0.031	0.058		Set Trigger
3	2.615	0.059	0.035	0.031	0.057		Set Trigger
4	2.718	0.059	0.036	0.031	0.059		Set Trigger
5	2.662	0.059	0.036	0.031	0.058		Set Trigger

AVG 2.63

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 6/05/07

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



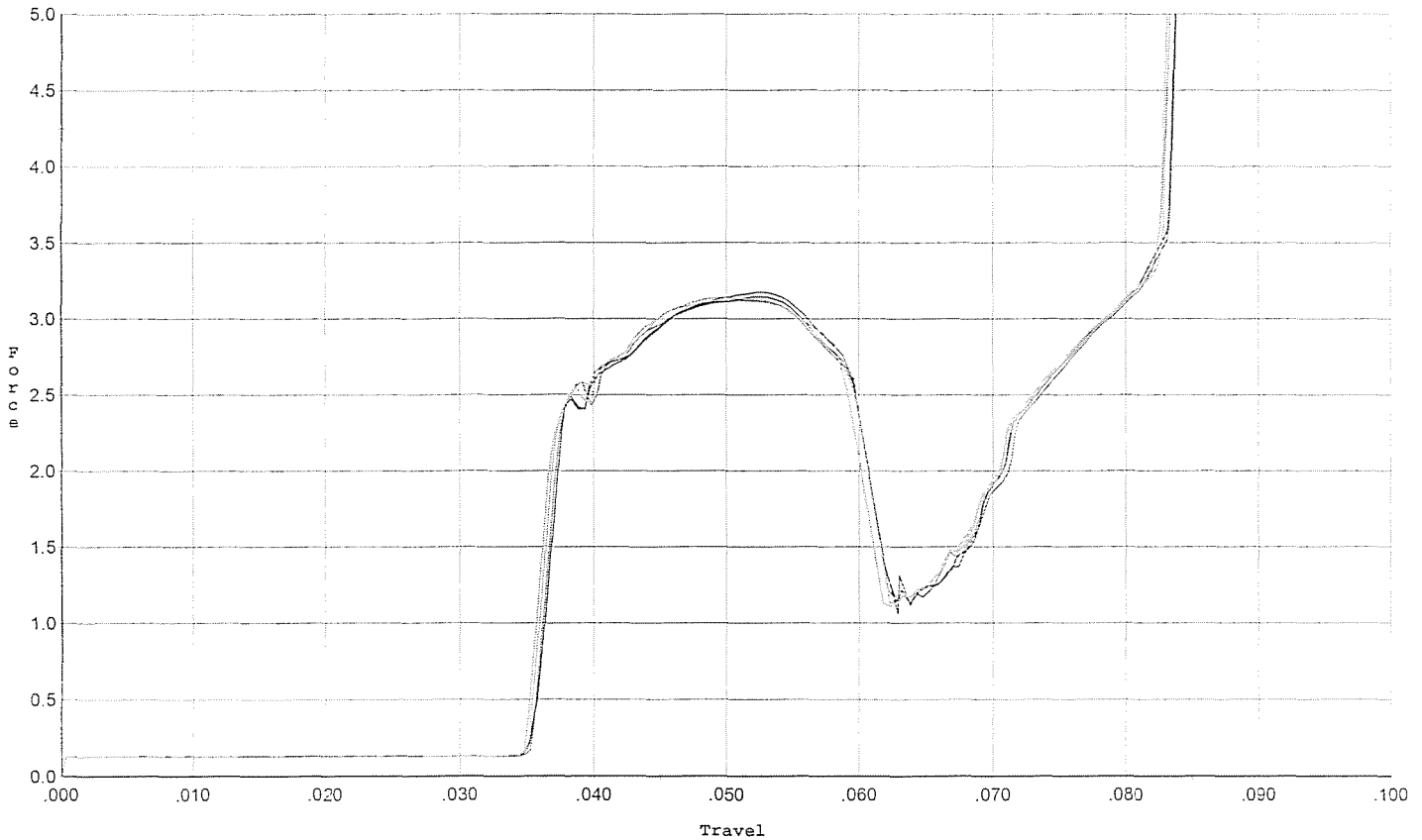
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.447	0.062	0.039	0.032	0.054		Set Trigger
2	2.502	0.061	0.039	0.032	0.054		Set Trigger
3	2.493	0.061	0.039	0.031	0.054		Set Trigger
4	2.445	0.062	0.039	0.031	0.055		Set Trigger
5	2.448	0.061	0.038	0.031	0.054		Set Trigger

AVG 2.46

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 6/05/07

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



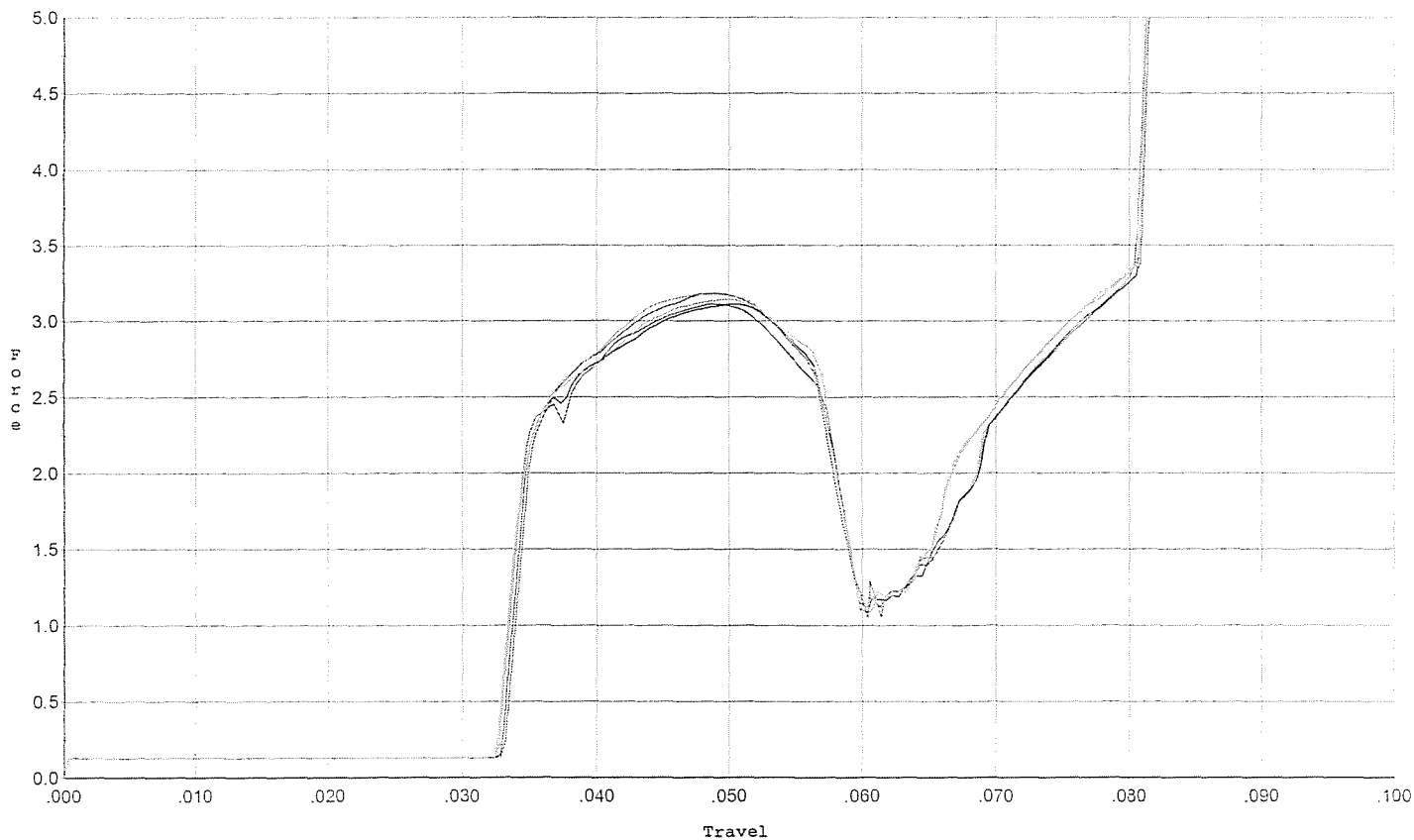
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.175	0.060	0.035	0.030	0.072		Set Trigger
2	3.145	0.060	0.035	0.030	0.072		Set Trigger
3	3.121	0.060	0.035	0.029	0.072		Set Trigger
4	3.136	0.059	0.035	0.030	0.073		Set Trigger
5	3.139	0.060	0.035	0.029	0.073		Set Trigger

Avg 3.14

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 6/05/07

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



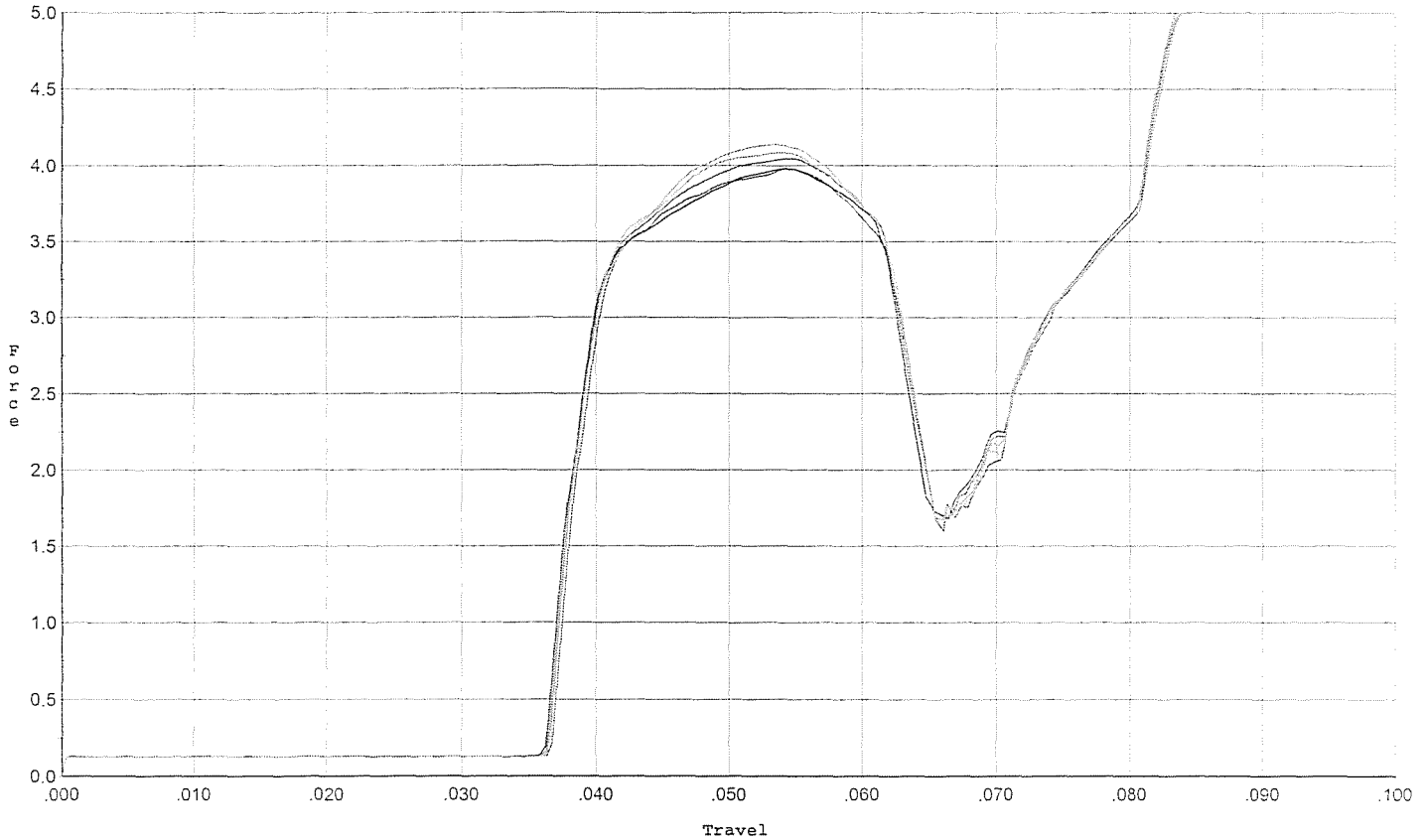
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.112	0.057	0.033	0.030	0.070		Set Trigger
2	3.108	0.058	0.033	0.030	0.071		Set Trigger
3	3.183	0.056	0.033	0.030	0.071		Set Trigger
4	3.143	0.057	0.033	0.030	0.072		Set Trigger
5	3.179	0.058	0.033	0.030	0.073		Set Trigger

Avg 3.14

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 6/05/07

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



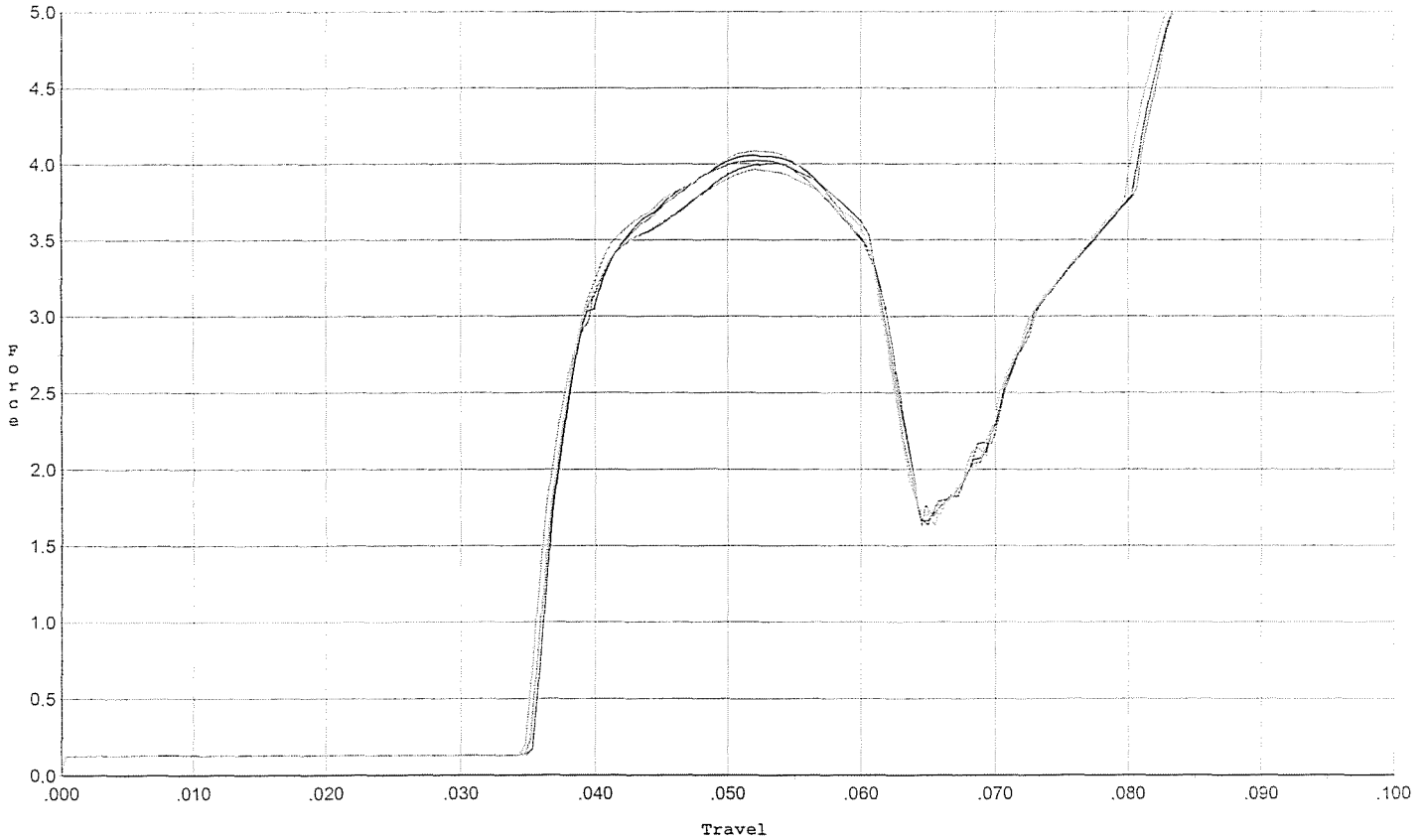
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.977	0.063	0.037	0.028	0.096		Set Trigger
2	3.980	0.062	0.036	0.028	0.095		Set Trigger
3	4.045	0.062	0.037	0.028	0.096		Set Trigger
4	4.084	0.063	0.037	0.028	0.099		Set Trigger
5	4.136	0.063	0.037	0.028	0.099		Set Trigger

Avg 4.04

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 6/05/07

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



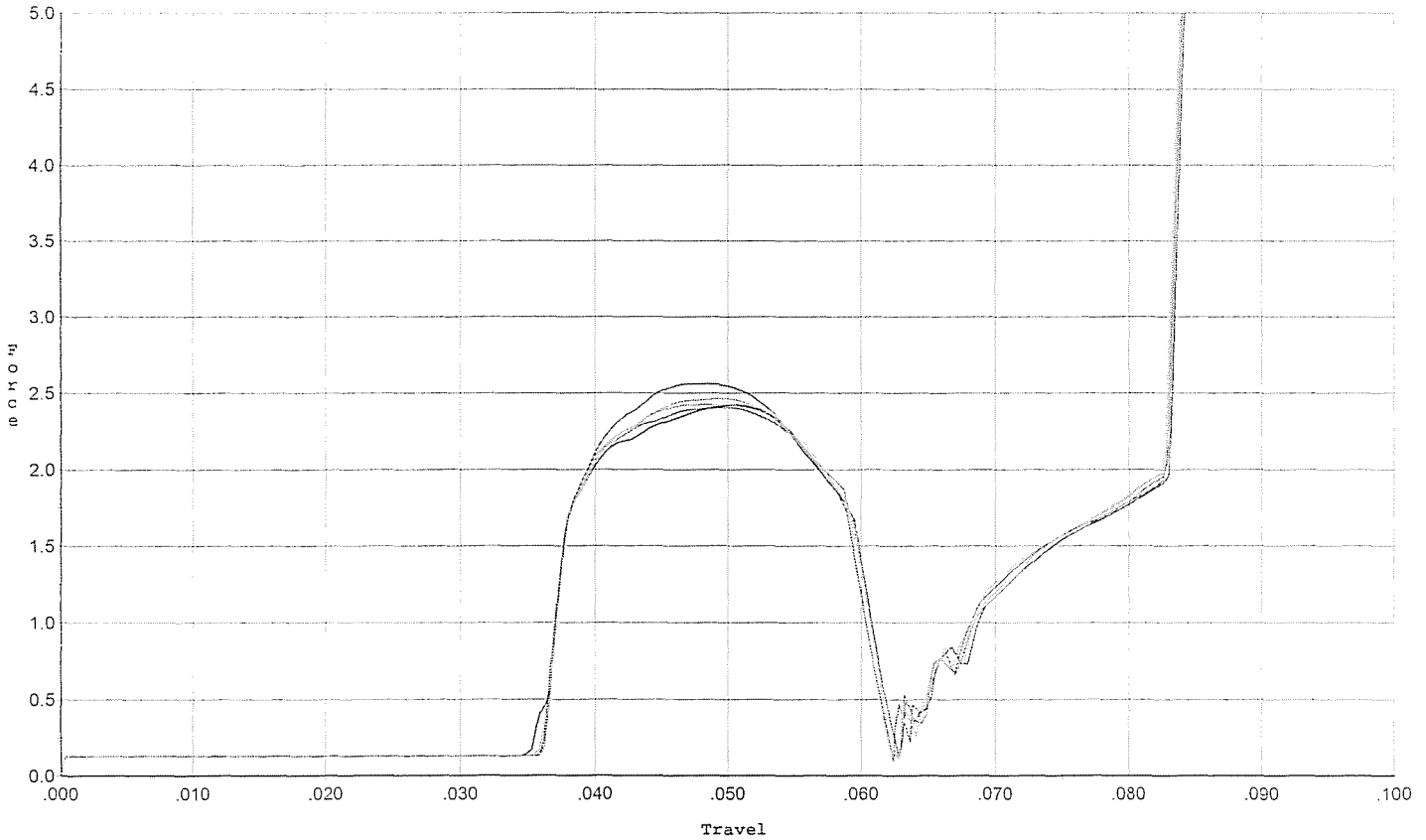
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.005	0.062	0.035	0.027	0.097		Set Trigger
2	4.055	0.062	0.035	0.028	0.097		Set Trigger
3	4.023	0.061	0.035	0.028	0.095		Set Trigger
4	3.961	0.061	0.035	0.028	0.094		Set Trigger
5	4.084	0.061	0.035	0.028	0.097		Set Trigger

Avg 4.02

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 6/05/07

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



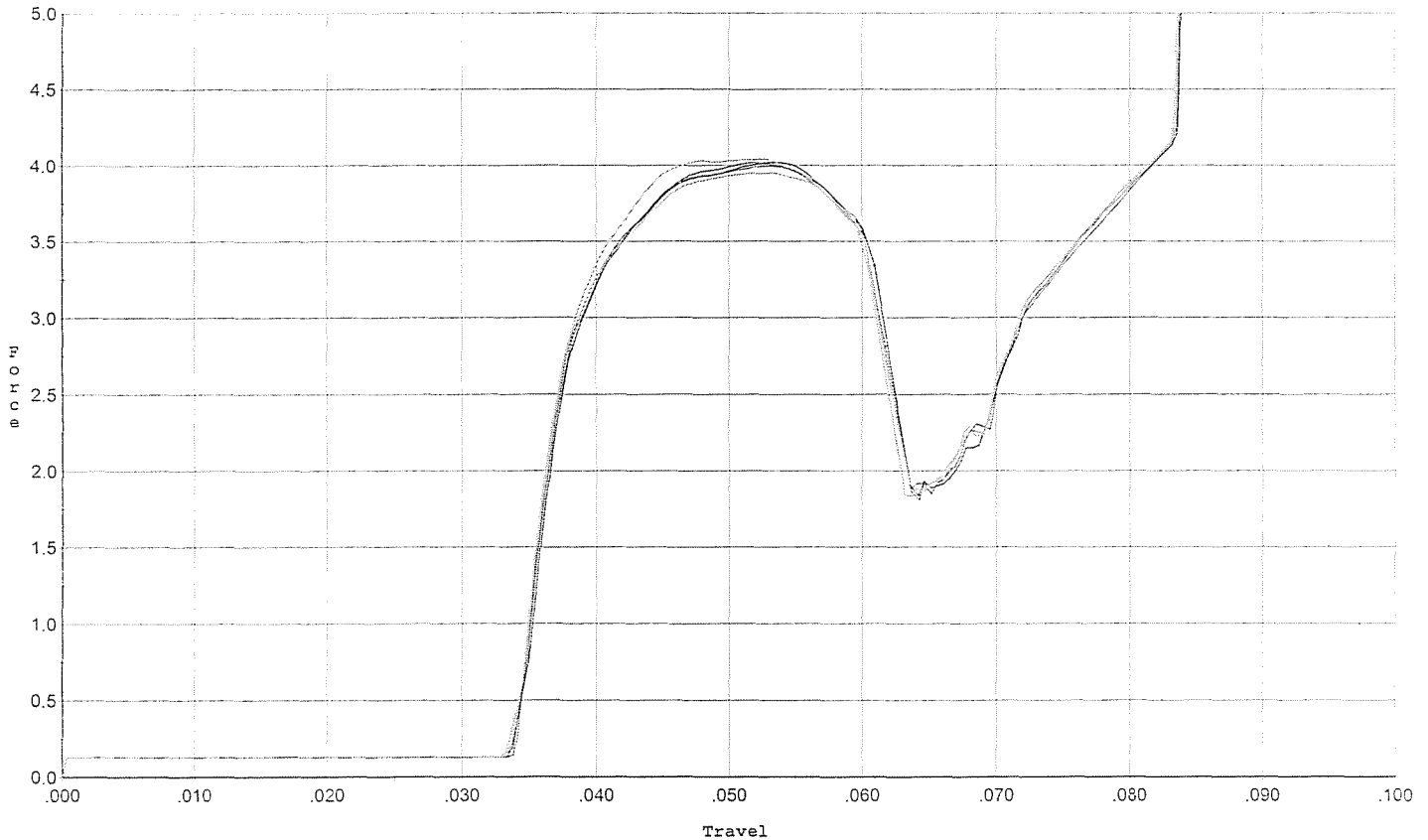
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.561	0.059	0.036	0.032	0.055		Set Trigger
2	2.423	0.059	0.036	0.032	0.054		Set Trigger
3	2.405	0.060	0.036	0.032	0.054		Set Trigger
4	2.463	0.060	0.036	0.032	0.055		Set Trigger
5	2.426	0.060	0.036	0.031	0.054		Set Trigger

Avg 2.45

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 6/05/07

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	4.019	0.060	0.034	0.028	0.096		Set Trigger
2	4.018	0.061	0.034	0.027	0.097		Set Trigger
3	3.996	0.062	0.034	0.027	0.099		Set Trigger
4	3.950	0.060	0.034	0.028	0.096		Set Trigger
5	4.042	0.060	0.034	0.028	0.098		Set Trigger

Avg 4.00

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523513.__0

FILE DATE AND TIME: 07/05/2007 14:50

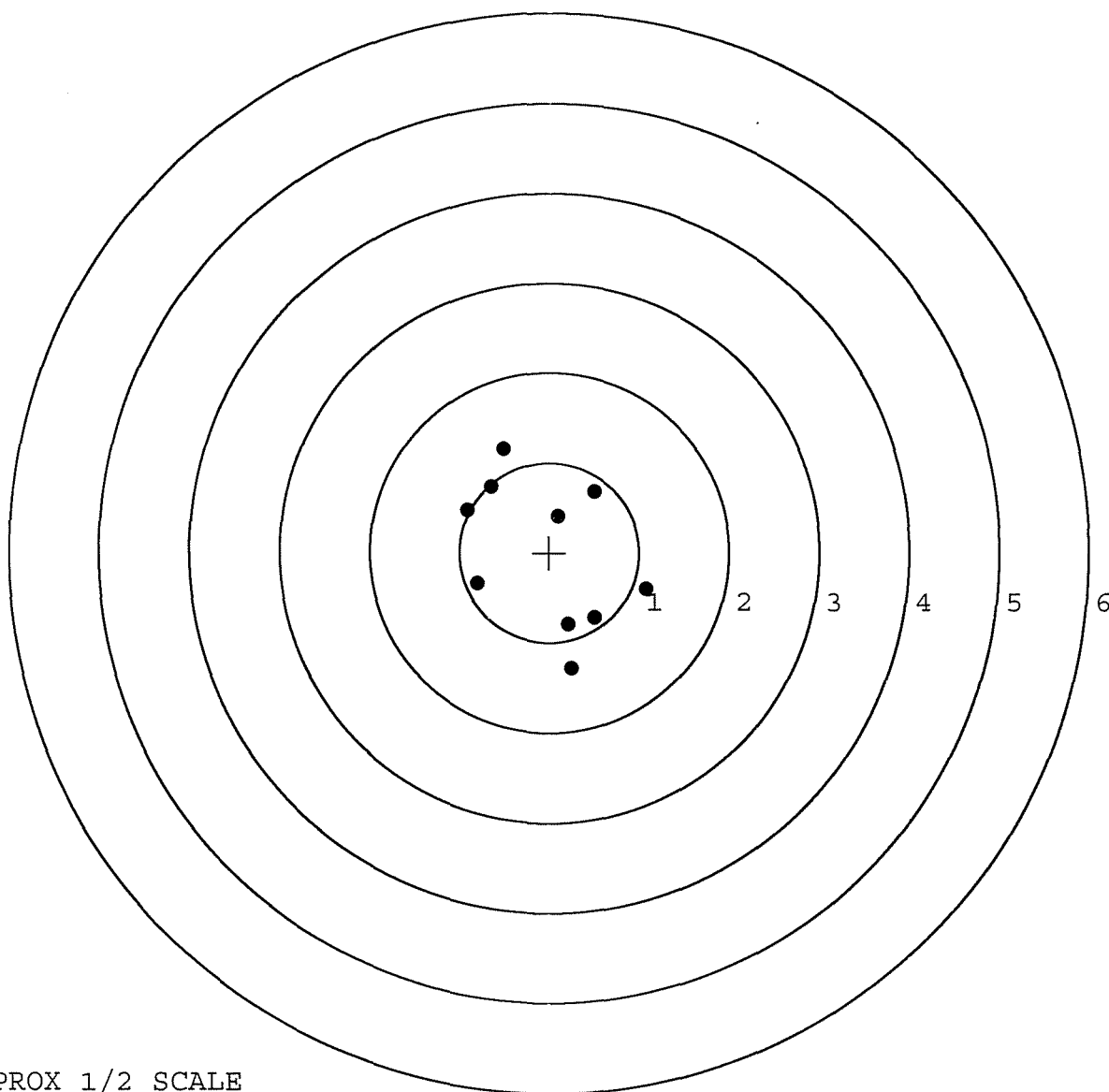
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.089
The Average Y Centroid of the Five Target Set:	-0.007
The Average Point of Impact of the Five Target Set:	0.089
The Average Mean Radius of the Five Target Set:	0.711
The Distance from POA to Centroid Target #1:	0.027
The Distance from Centroid Target #2 to Centroid Target #1:	0.190
The Distance from Centroid Target #3 to Centroid Target #1:	0.120
The Distance from Centroid Target #4 to Centroid Target #1:	0.015
The Distance from Centroid Target #5 to Centroid Target #1:	0.111

SERIAL NUMBER: C6523513. __0
 TARGET NUMBER: 1
 FILE DATE: 07/05/2007
 FILE TIME: 14:50

X CENTROID: -0.022
 Y CENTROID: -0.015
 POA TO CENTROID: 0.027
 HORZ SPREAD: 1.993
 VERT SPREAD: 2.450
 GROUP SPREAD: 2.565
 MIN RADIUS: 0.435
 MAX RADIUS: 1.311
 MEAN RADIUS: 0.961
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.251	-1.297
2:	0.218	-0.802
3:	0.509	-0.730
4:	1.077	-0.409
5:	-0.805	-0.351
6:	0.097	0.403
7:	0.506	0.679
8:	-0.510	1.153
9:	-0.649	0.732
10:	-0.916	0.471

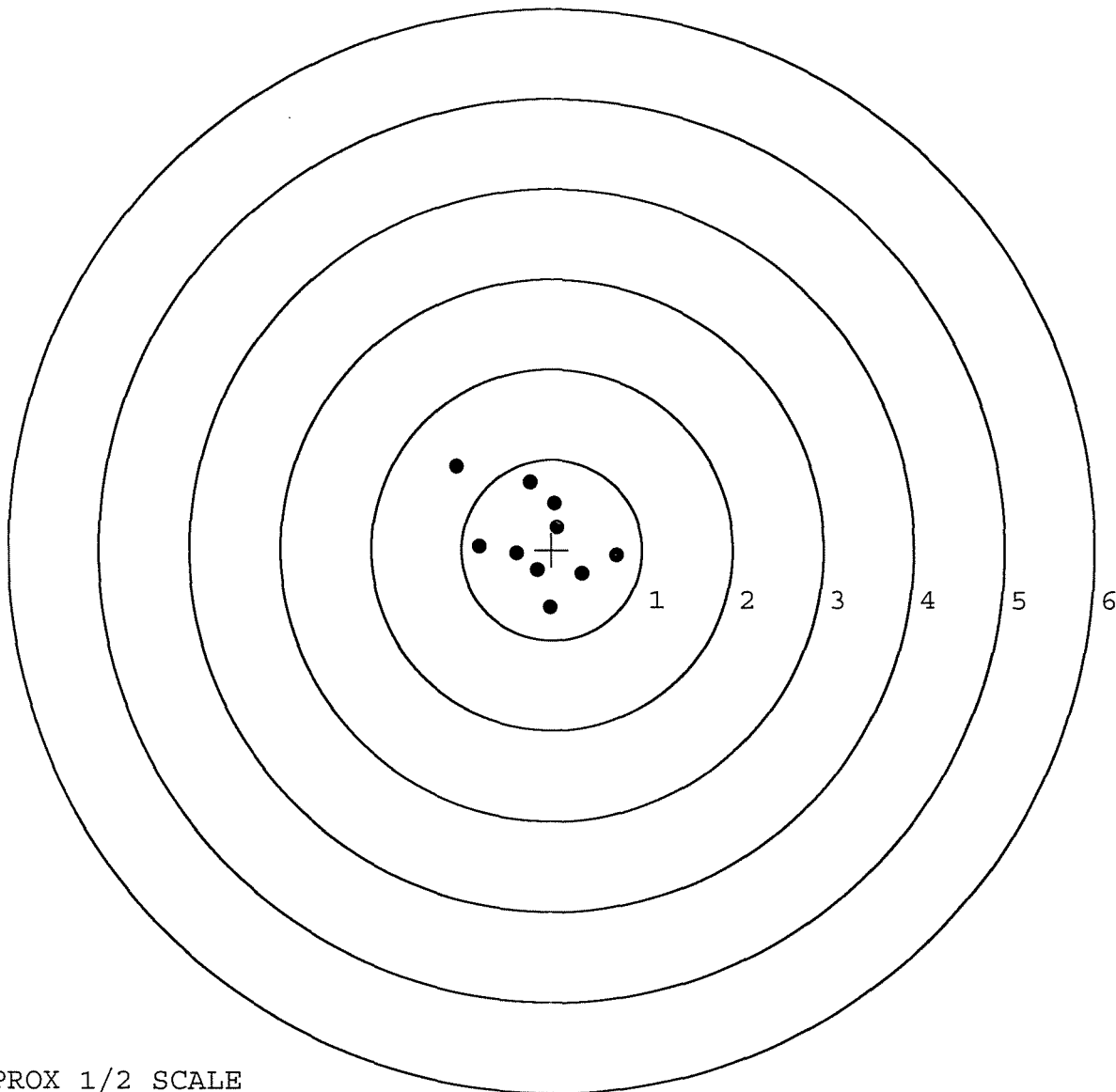


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523513. 0
 TARGET NUMBER: 2
 FILE DATE: 07/05/2007
 FILE TIME: 14:50

POINT#	X	Y
1:	0.718	-0.063
2:	0.065	0.252
3:	0.033	0.515
4:	-0.246	0.751
5:	-1.059	0.922
6:	-0.801	0.038
7:	-0.388	-0.045
8:	-0.160	-0.230
9:	-0.015	-0.642
10:	0.340	-0.261

X CENTROID: -0.151
 Y CENTROID: 0.124
 POA TO CENTROID: 0.195
 HORZ SPREAD: 1.777
 VERT SPREAD: 1.564
 GROUP SPREAD: 2.032
 MIN RADIUS: 0.251
 MAX RADIUS: 1.209
 MEAN RADIUS: 0.612
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

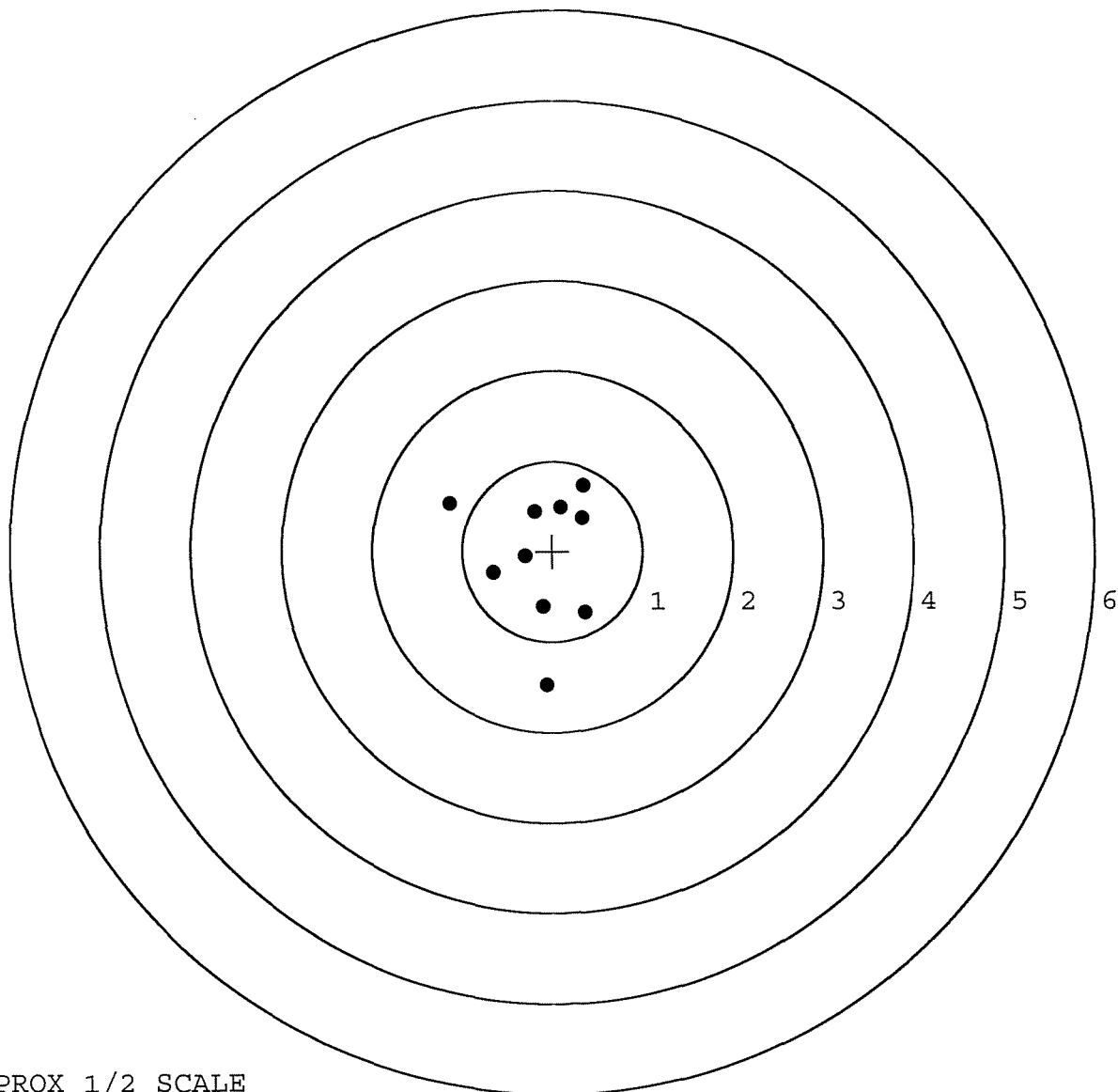


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523513. __0
 TARGET NUMBER: 3
 FILE DATE: 07/05/2007
 FILE TIME: 14:50

X CENTROID: -0.137
 Y CENTROID: -0.049
 POA TO CENTROID: 0.146
 HORZ SPREAD: 1.502
 VERT SPREAD: 2.225
 GROUP SPREAD: 2.280
 MIN RADIUS: 0.169
 MAX RADIUS: 1.439
 MEAN RADIUS: 0.733
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.073	-1.486
2:	0.360	-0.674
3:	-0.110	-0.620
4:	-0.660	-0.236
5:	-0.306	-0.054
6:	0.341	0.739
7:	0.329	0.379
8:	0.090	0.493
9:	-0.201	0.443
10:	-1.142	0.528

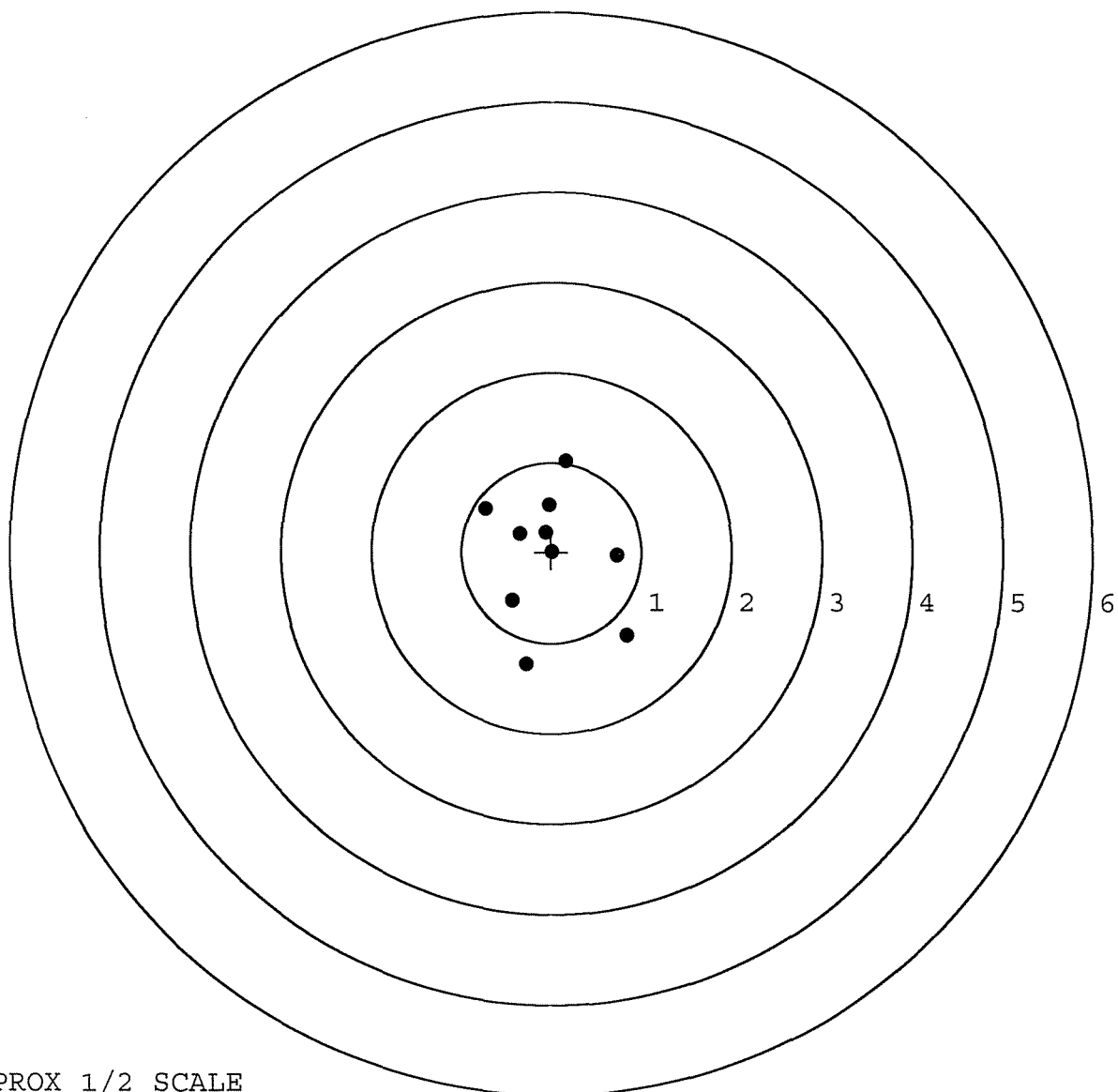


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523513. 0
 TARGET NUMBER: 4
 FILE DATE: 07/05/2007
 FILE TIME: 14:50

X CENTROID: -0.014
 Y CENTROID: -0.028
 POA TO CENTROID: 0.032
 HORZ SPREAD: 1.579
 VERT SPREAD: 2.254
 GROUP SPREAD: 2.110
 MIN RADIUS: 0.037
 MAX RADIUS: 1.236
 MEAN RADIUS: 0.706
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.845	-0.917
2:	0.727	-0.035
3:	-0.436	-0.538
4:	-0.278	-1.235
5:	0.011	-0.001
6:	-0.348	0.200
7:	-0.029	0.523
8:	0.163	1.019
9:	-0.734	0.482
10:	-0.064	0.218

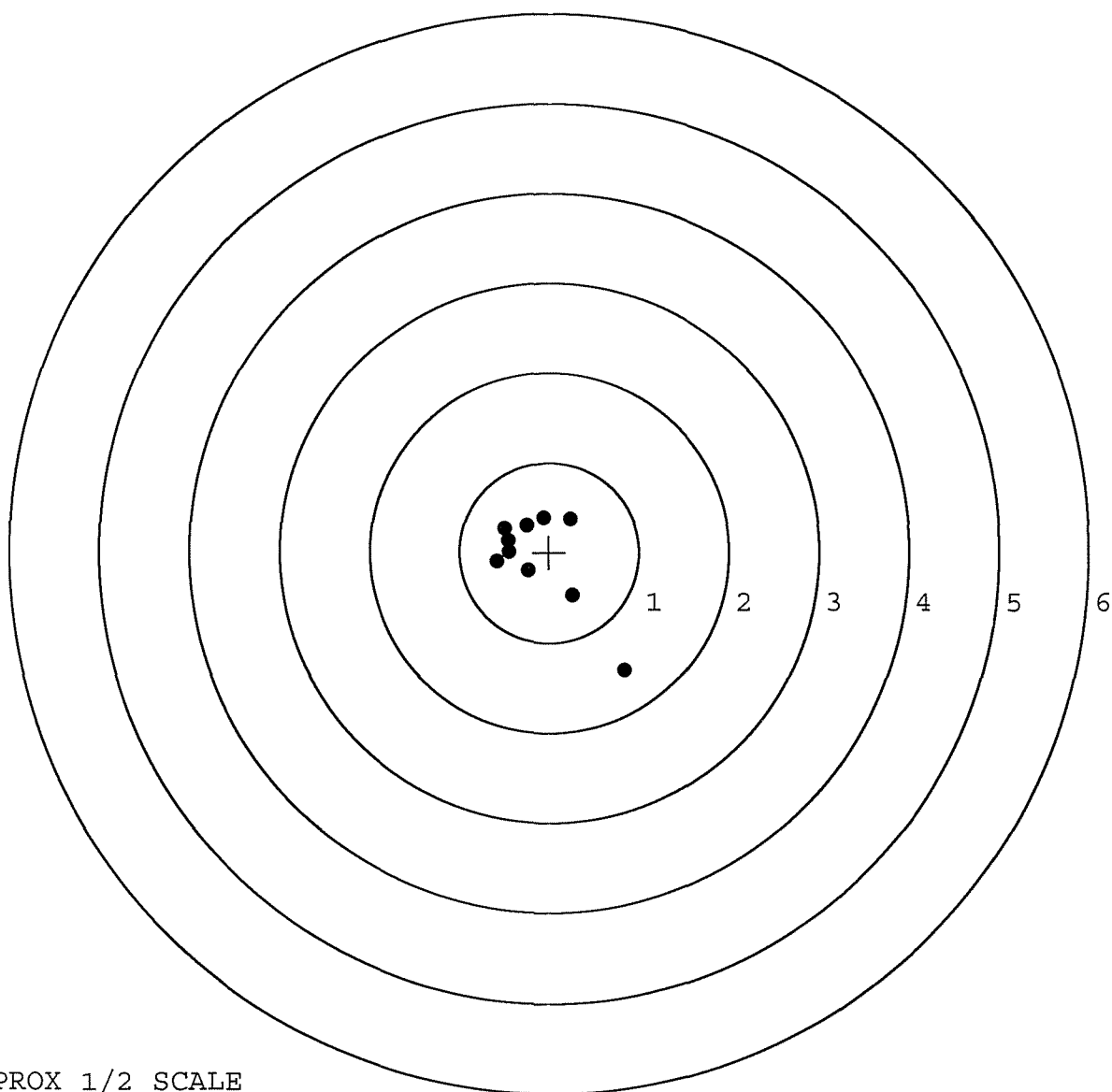


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523513. 0
 TARGET NUMBER: 5
 FILE DATE: 07/05/2007
 FILE TIME: 14:50

X CENTROID: -0.120
 Y CENTROID: -0.068
 POA TO CENTROID: 0.138
 HORZ SPREAD: 1.419
 VERT SPREAD: 1.698
 GROUP SPREAD: 2.062
 MIN RADIUS: 0.183
 MAX RADIUS: 1.570
 MEAN RADIUS: 0.541
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.837	-1.313
2:	0.265	-0.483
3:	0.234	0.370
4:	-0.073	0.385
5:	-0.234	-0.211
6:	-0.582	-0.112
7:	-0.452	0.001
8:	-0.455	0.128
9:	-0.495	0.261
10:	-0.247	0.294



TARGET APPROX 1/2 SCALE

R & E NUMBER	<u>129 038</u>			
SERIAL NUMBER	<u>C6523 5313</u>		<u>C6523 ^{SD} 513</u>	
LOG-IN DATE	<u>5-8-07</u>			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-6-07	RTK
505	RE-BARREL		6-15-07	RTK
560	ASSEMBLE		6-18-07	RTK
600	PROOF	MAGNA - FLUX	6-18-07	TRW
605	CHECK HEADSPACE		6-18-07	TRW
610	DIS-ASSEMBLE GUN		6-18-07	RTK
612	MAGNAFLUX	OPERATOR <u>unmb</u>	6/19/07	unmb
510	DRILL AND TAP		6-18-07	SD
615	ROLLMARK CALIBER		6-19-07	CW
618	ROTO-BLAST		6-19-07	DG
620	APPLY COATINGS		6/21/07	TRW
625	FINAL ASSEMBLY		7-3-07	DA
640	FUNCTION TEST AND	PASS FAIL	7-5-07	TRW
650	TARGET	PASS FAIL	7-5-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		7-5-07	DA
	A) HEADSPACE	PASS FAIL	7-5-07	DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.38</u> <u>2.35</u> <u>2.39</u> <u>2.46</u> <u>2.41</u> 7-5-07	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	<u>6.5</u> <u>7.0</u> <u>7.0</u> 7-5-07	DA
	G) SAFETY OFF FORCE	2 LBS MAX	<u>4.0</u> <u>4.0</u> <u>4.0</u> 7-5-07	DA
	I) FIRING PIN INDENT	.020	<u>.023</u> <u>.023</u> <u>.023</u> 7-5-07	DA
690	PACK		7-5-07	DA

Remington



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

MODEL 700TM M24

SERIAL NO.
C6523513

ORDER NO.
5716

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

01



5716 C6523513

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523573

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1019	50	RW
600	Proof	1019	90	RW
607	Check Headspace	1019	90	RW
610	Dis-assemble Gun	1019	90	RW
612	Magnaflux Barrel Action		10/23/90	KR
	Magnaflux Bolt		10/23/90	KR
615	Rollmark Caliber		10/23/90	RL
617	Drill and Tap Sight Holes		10/26/90	FB
618	Polish Barrel RB		10/29/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/17/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/16/90	WB
	G) Safety Off Force	2	2	2			11/16/90	WB
	H) Trigger Pull Test & Retainability						11/17/90	WB
	I) Firing Pin Indent	.024	.024	.024			11/16/90	WB
	J) Assemble Stock						11/17/90	RW
	K) Assemble Swivel Studs						11-27-90	JS
	L) Attach Front and Rear Sight Assemblies						11/17/90	RW
	M) Iron Sight Alignment						11/17/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/17/90	RW
	O) Attach Scope to Rifle						11/17/90	RW
	P) Detach & Attach Scope 20 Times						11/17/90	RW
640	Gallery Target & Test						11-28-90	DH
	A) Time						11-28-90	DH
	B) Malfunctions						11-28-90	DH
	C) Pierced Primers						11-28-90	DH
	D) Optical Clarity of Scope						11-28-90	DH
645	Inspect for Live Ammo						11-28-90	DH
655	Final Inspection							
	A) Headspace						11-27-90	JS
	B) Trigger Pull	285	286	285	291	282	11-27-90	JS
	C) Function						11-27-90	JS
660	Pack						12-18-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523513

DATE 11/17/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.35	2.57	2.85	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.31	2.51	2.86	
PULL #3	2.49	2.43	2.61	2.85	
PULL #4	2.46	2.43	2.45	2.91	
PULL #5	2.51	2.46	2.53	2.82	
TOTAL	12.25	11.98	12.67		
AVG.	2.45	2.40	2.53		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	3.35		
PULL #2	3.34	3.31		
PULL #3	3.16	3.42		
PULL #4	3.25	3.34		
PULL #5	3.22	3.40		
TOTAL	16.10	16.82		
AVG.	3.22	3.36		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.27		4.20
PULL #2	4.22	4.29		4.19
PULL #3	4.17	4.25		4.23
PULL #4	4.20	4.23		4.22
PULL #5	4.16	4.23		4.26
TOTAL	20.98	21.27		21.10
AVG.	4.20	4.25		4.22

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # 06523513
 27 Nov 1990

CENTROIDAL DISTANCES

0 TO 1	.240585
1 TO 2	.543644
1 TO 3	.0878635
1 TO 4	.262482
1 TO 5	.398493

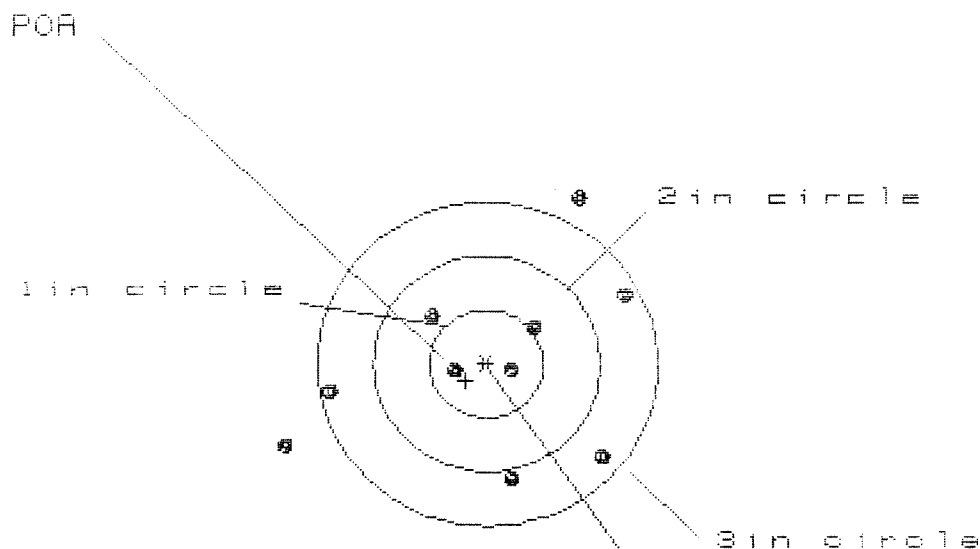
σ^2_5 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0728
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .054
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0306413
 THE RMS FOR THIS RIFLE IS: .9822

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523513

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 3.042

VS= 2.577

ES= 3.501

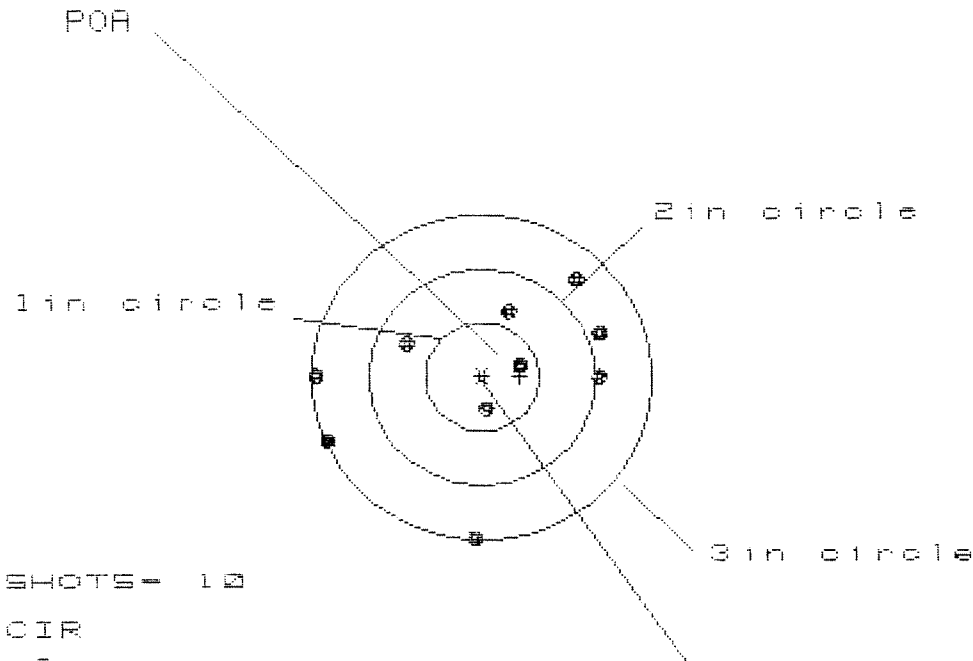
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.244	1.044	1.121
MINIMUM X	:	-1.799	-1.630	-1.553
MAXIMUM Y	:	1.568	1.483	.754
MINIMUM Y	:	-1.009	-1.094	-.908
CENTROID X	:	.184	.384	.307
CENTROID Y	:	.155	.240	.055
POA TO CENTROID in.	:	.241	.453	.312
MIN RADIUS	:	.228	.151	.102
MEAN RADIUS	:	1.070	.955	.862
MAX RADIUS	:	1.953	1.660	1.559
HORIZONTAL SPREAD	:	3.042	2.674	2.674
VERTICAL SPREAD	:	2.577	2.577	1.662
EXTREME SPREAD	:	3.501	2.877	2.016
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 10

HS = 2.471

VS = 2.397

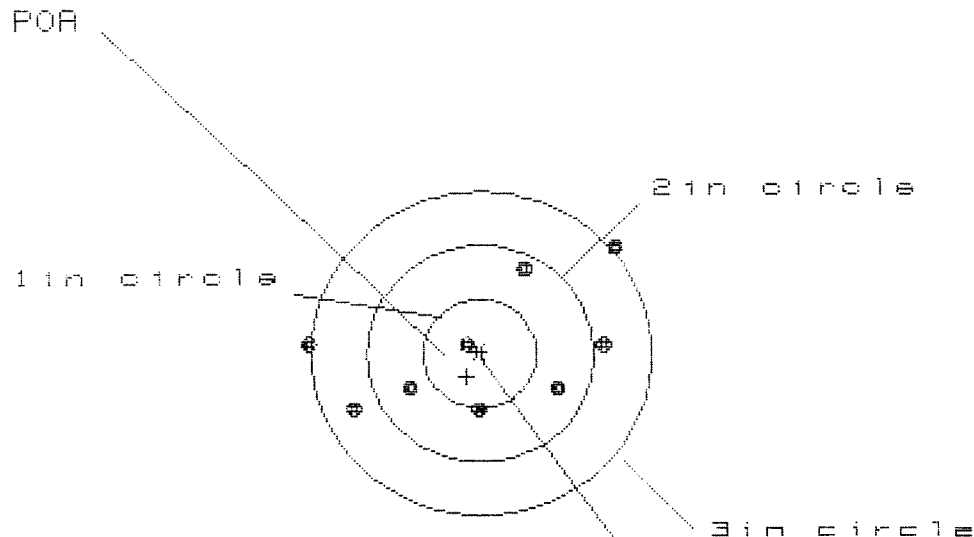
GS = 2.659

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.041	1.029	.859
MINIMUM X	:	-1.430	-1.442	-1.613
MAXIMUM Y	:	.909	.744	.653
MINIMUM Y	:	-1.488	-.727	-.595
CENTROID X	:	-.334	-.322	-.152
CENTROID Y	:	-.010	.155	.246
POA TO CENTROID in.	:	.334	.358	.289
MIN RADIUS	:	.339	.331	.214
MEAN RADIUS	:	.982	.908	.787
MAX RADIUS	:	1.491	1.547	1.625
HORIZONTAL SPREAD	:	2.471	2.471	2.471
VERTICAL SPREAD	:	2.397	1.471	1.248
EXTREME SPREAD	:	2.659	2.659	2.494
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 2.674

VS= 1.482

GS= 2.836

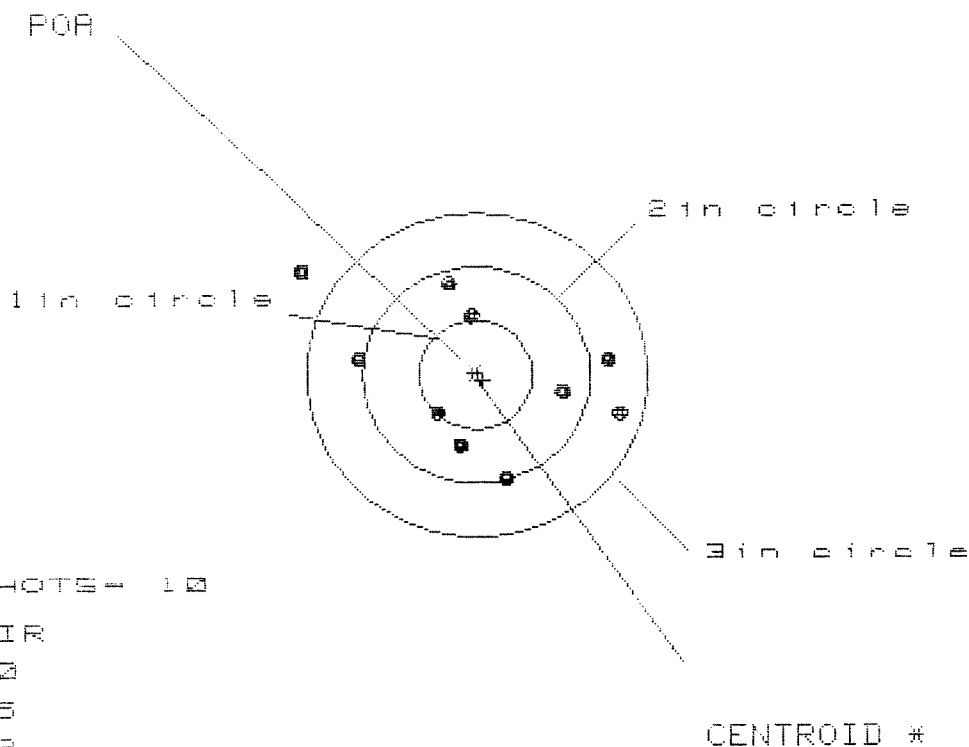
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.150	1.249	1.075
MINIMUM X	:	-1.524	-1.397	-1.187
MAXIMUM Y	:	1.003	.931	.952
MINIMUM Y	:	-.479	-.367	-.346
CENTROID X	:	.118	-.009	.165
CENTROID Y	:	.213	.101	.080
POA TO CENTROID in.	:	.244	.102	.184
MIN RADIUS	:	.131	.202	.263
MEAN RADIUS	:	.887	.797	.709
MAX RADIUS	:	1.526	1.407	1.233
HORIZONTAL SPREAD	:	2.674	2.646	2.262
VERTICAL SPREAD	:	1.482	1.298	1.298
EXTREME SPREAD	:	2.836	2.646	2.332
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 2.821

VS= 1.844

GS= 3.141

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.236	1.060	1.129
MINIMUM X	:	-1.585	-1.247	-1.114
MAXIMUM Y	:	.982	.908	.871
MINIMUM Y	:	-.962	-.853	-.890
CENTROID X	:	-.057	.119	-.014
CENTROID Y	:	.051	-.058	-.021
POA TO CENTROID in.	:	.077	.132	.025
MIN RADIUS	:	.509	.563	.506
MEAN RADIUS	:	.973	.858	.818
MAX RADIUS	:	1.864	1.283	1.145
HORIZONTAL SPREAD	:	2.821	2.307	2.243
VERTICAL SPREAD	:	1.944	1.761	1.761
EXTREME SPREAD	:	3.141	2.382	2.245
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

26 May 1990

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CENTERFIRE PATTERNS # 5

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 7

HB = 0.012

VB = 1.444

GB = 0.226

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.706	1.659	1.495
MINIMUM X	-1.506	-1.317	-0.898
MAXIMUM Y	.736	.692	.600
MINIMUM Y	-.708	-.752	-.844
CENTROID X	.453	.264	.428
CENTROID Y	-.139	-.095	-.003
POR TO CENTROID in.	.474	.280	.428
MIN RADIUS	.455	.281	.420
MEAN RADIUS	.999	.861	.806
MAX RADIUS	1.751	1.698	1.519
HORIZONTAL SPREAD	3.212	2.976	2.393
VERTICAL SPREAD	1.444	1.444	1.444
EXTREME SPREAD	3.226	3.171	2.395
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	7	