

66296699

Repair Inquiry

Repair Number: RE00126311

Serial: G6296699 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status:

New 3/8/2007 5:09:13 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: DEPARTMENT OF THE ARMY

DEPARTMENT OF THE ARMY

Address 1: IC TROOP, 3RD BATTALION

IC TROOP, 3RD BATTALION

Address 2: 73 RD CAVALRY REGIMENT

PO Box:

73 RD CAVALRY REGIMENT

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: 910 797 4814

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sgt Base	2

Repair Search

Refresh

Close

nagletj

3/8/2007

8:37 AM

CAPS

NUM

INS

SCRL



Serial Number: G6296699

Model: M24 SWS



RE00126311

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6296699.___0
FILE DATE AND TIME: 03/26/2007 22:53

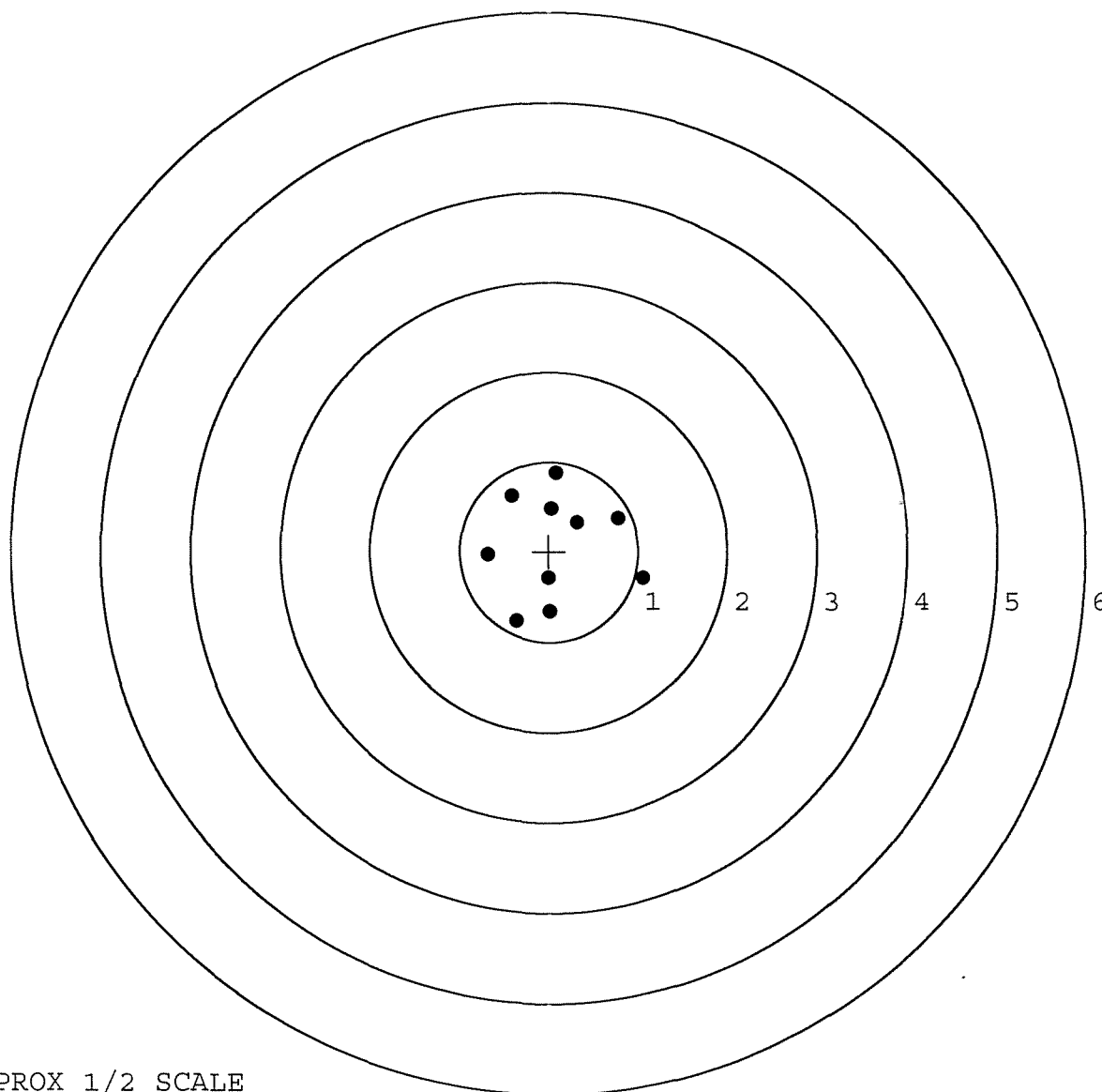
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.115
The Average Y Centroid of the Five Target Set:	0.011
The Average Point of Impact of the Five Target Set:	0.116
The Average Mean Radius of the Five Target Set:	0.685
The Distance from POA to Centroid Target #1:	0.095
The Distance from Centroid Target #2 to Centroid Target #1:	0.202
The Distance from Centroid Target #3 to Centroid Target #1:	0.175
The Distance from Centroid Target #4 to Centroid Target #1:	0.014
The Distance from Centroid Target #5 to Centroid Target #1:	0.082

SERIAL NUMBER: G6296699. __0
TARGET NUMBER: 1
FILE DATE: 03/26/2007
FILE TIME: 22:53

X CENTROID: 0.075
Y CENTROID: 0.058
POA TO CENTROID: 0.095
HORZ SPREAD: 1.741
VERT SPREAD: 1.648
GROUP SPREAD: 1.760
MIN RADIUS: 0.353
MAX RADIUS: 1.045
MEAN RADIUS: 0.695
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.423	0.614
2:	0.076	0.874
3:	0.768	0.371
4:	1.057	-0.299
5:	0.009	-0.670
6:	-0.373	-0.774
7:	-0.010	-0.295
8:	-0.684	-0.040
9:	0.024	0.475
10:	0.308	0.323

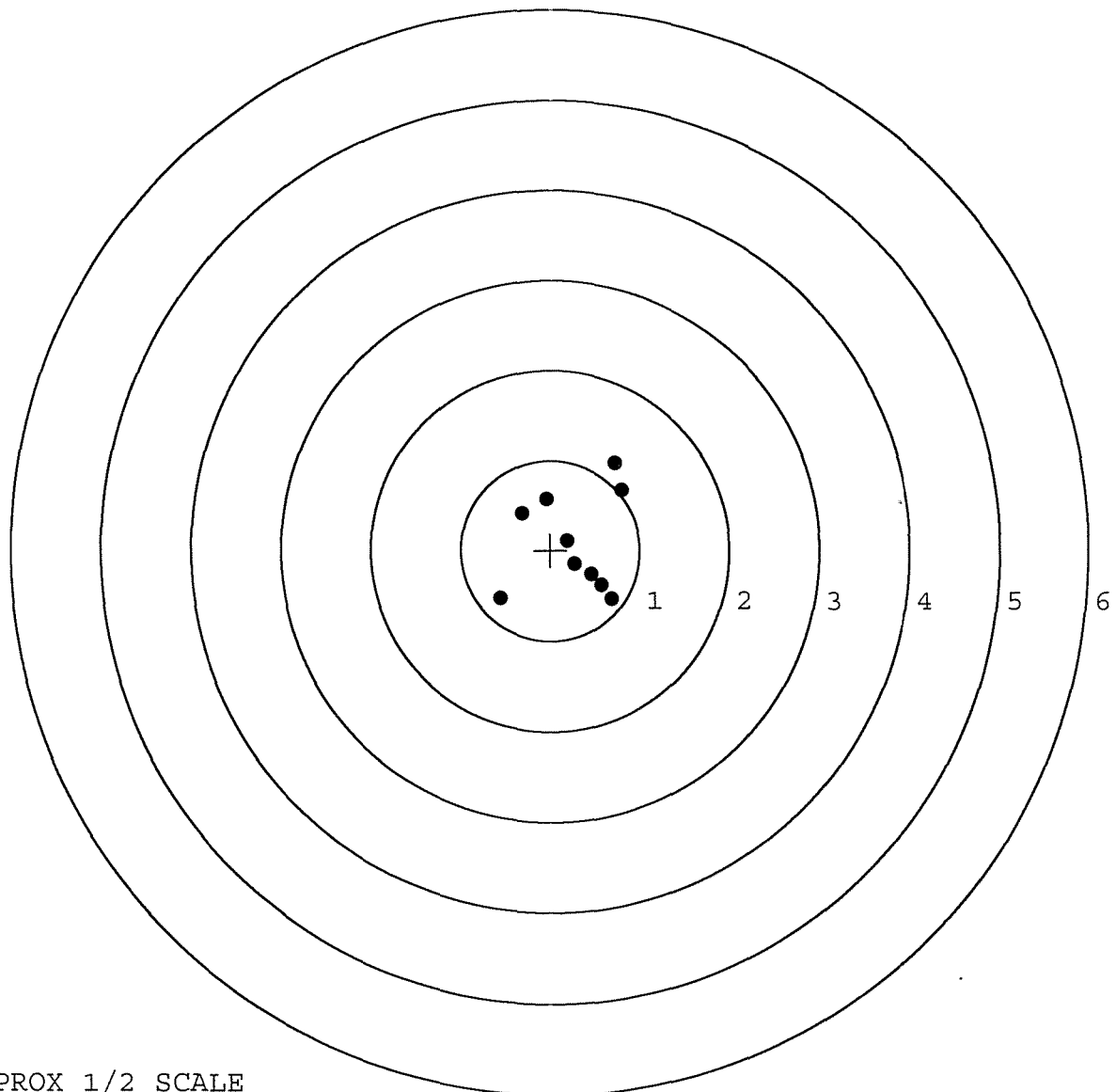


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6296699. __0
TARGET NUMBER: 2
FILE DATE: 03/26/2007
FILE TIME: 22:53

X CENTROID: 0.275
Y CENTROID: 0.087
POA TO CENTROID: 0.289
HORZ SPREAD: 1.363
VERT SPREAD: 1.514
GROUP SPREAD: 1.988
MIN RADIUS: 0.085
MAX RADIUS: 1.045
MEAN RADIUS: 0.612
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.325	0.413
2:	-0.051	0.572
3:	0.724	0.979
4:	0.799	0.678
5:	0.191	0.102
6:	0.268	-0.156
7:	0.458	-0.265
8:	0.683	-0.535
9:	0.569	-0.381
10:	-0.564	-0.535

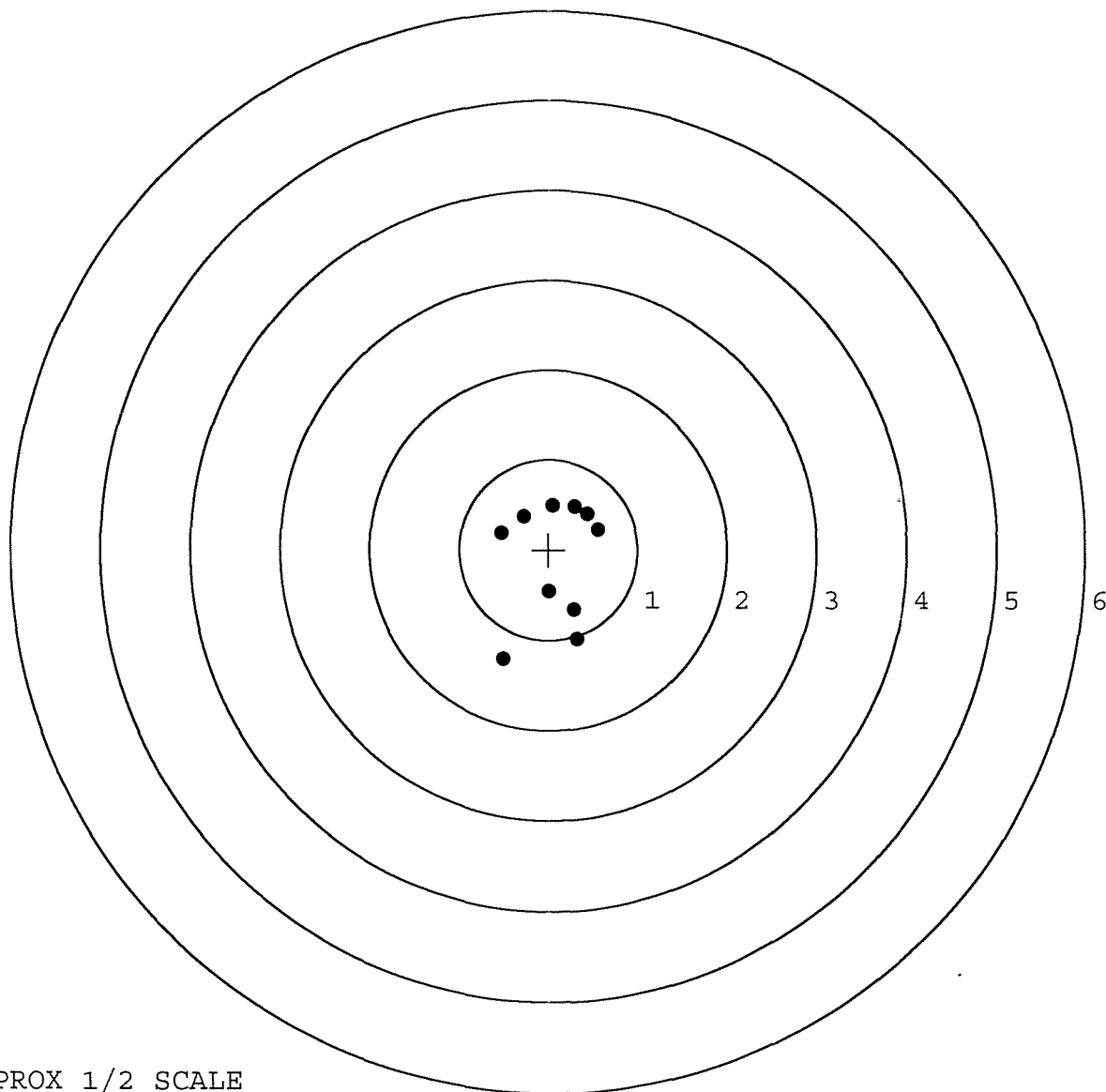


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6296699. __0
TARGET NUMBER: 3
FILE DATE: 03/26/2007
FILE TIME: 22:53

X CENTROID: 0.060
Y CENTROID: -0.117
POA TO CENTROID: 0.131
HORZ SPREAD: 1.081
VERT SPREAD: 1.697
GROUP SPREAD: 1.869
MIN RADIUS: 0.351
MAX RADIUS: 1.230
MEAN RADIUS: 0.683
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.003	-0.463
2:	0.281	-0.665
3:	0.320	-0.991
4:	-0.507	-1.208
5:	-0.533	0.189
6:	-0.281	0.367
7:	0.044	0.489
8:	0.292	0.482
9:	0.428	0.403
10:	0.548	0.231

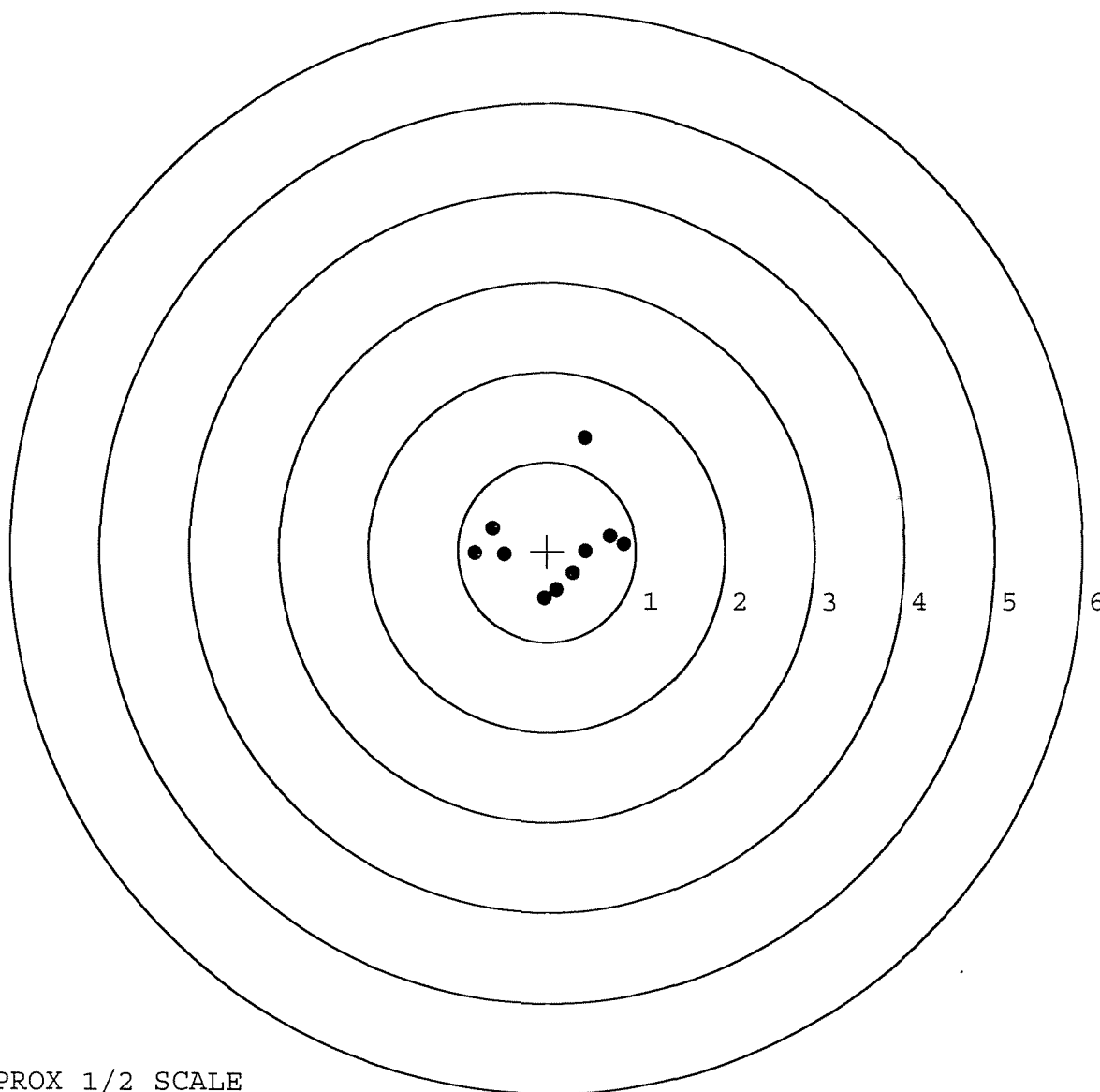


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6296699. 0
TARGET NUMBER: 4
FILE DATE: 03/26/2007
FILE TIME: 22:53

X CENTROID: 0.088
Y CENTROID: 0.051
POA TO CENTROID: 0.101
HORZ SPREAD: 1.679
VERT SPREAD: 1.796
GROUP SPREAD: 1.854
MIN RADIUS: 0.348
MAX RADIUS: 1.266
MEAN RADIUS: 0.666
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.611	0.251
2:	-0.486	-0.044
3:	-0.813	-0.031
4:	0.425	1.271
5:	0.866	0.083
6:	0.709	0.173
7:	0.432	0.000
8:	0.287	-0.242
9:	0.103	-0.427
10:	-0.036	-0.525

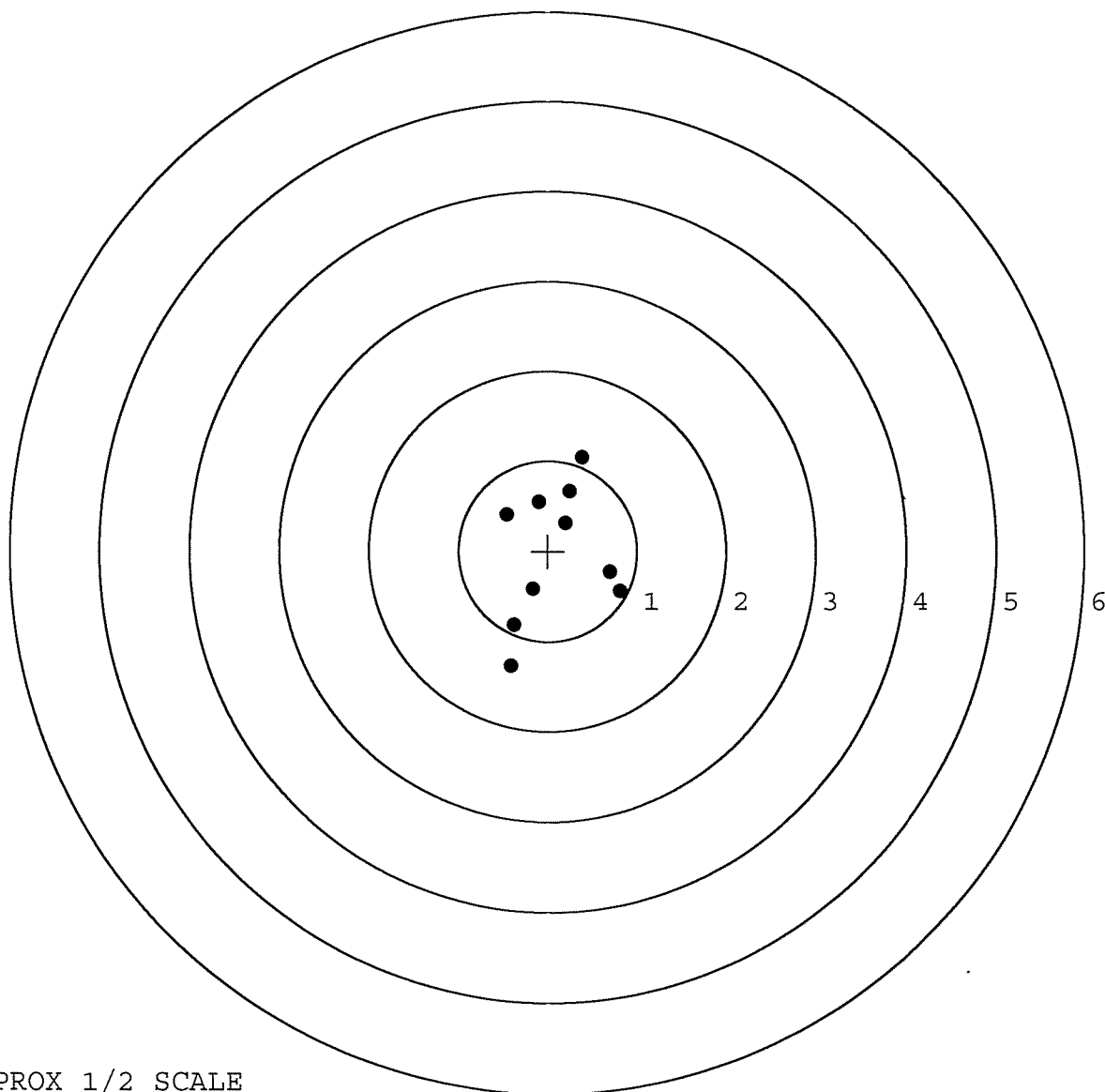


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6296699. __0
TARGET NUMBER: 5
FILE DATE: 03/26/2007
FILE TIME: 22:53

X CENTROID: 0.079
Y CENTROID: -0.024
POA TO CENTROID: 0.082
HORZ SPREAD: 1.270
VERT SPREAD: 2.314
GROUP SPREAD: 2.448
MIN RADIUS: 0.354
MAX RADIUS: 1.349
MEAN RADIUS: 0.768
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.461	0.401
2:	-0.102	0.544
3:	0.194	0.310
4:	0.241	0.663
5:	0.381	1.035
6:	0.698	-0.229
7:	0.809	-0.440
8:	-0.173	-0.424
9:	-0.383	-0.823
10:	-0.418	-1.279

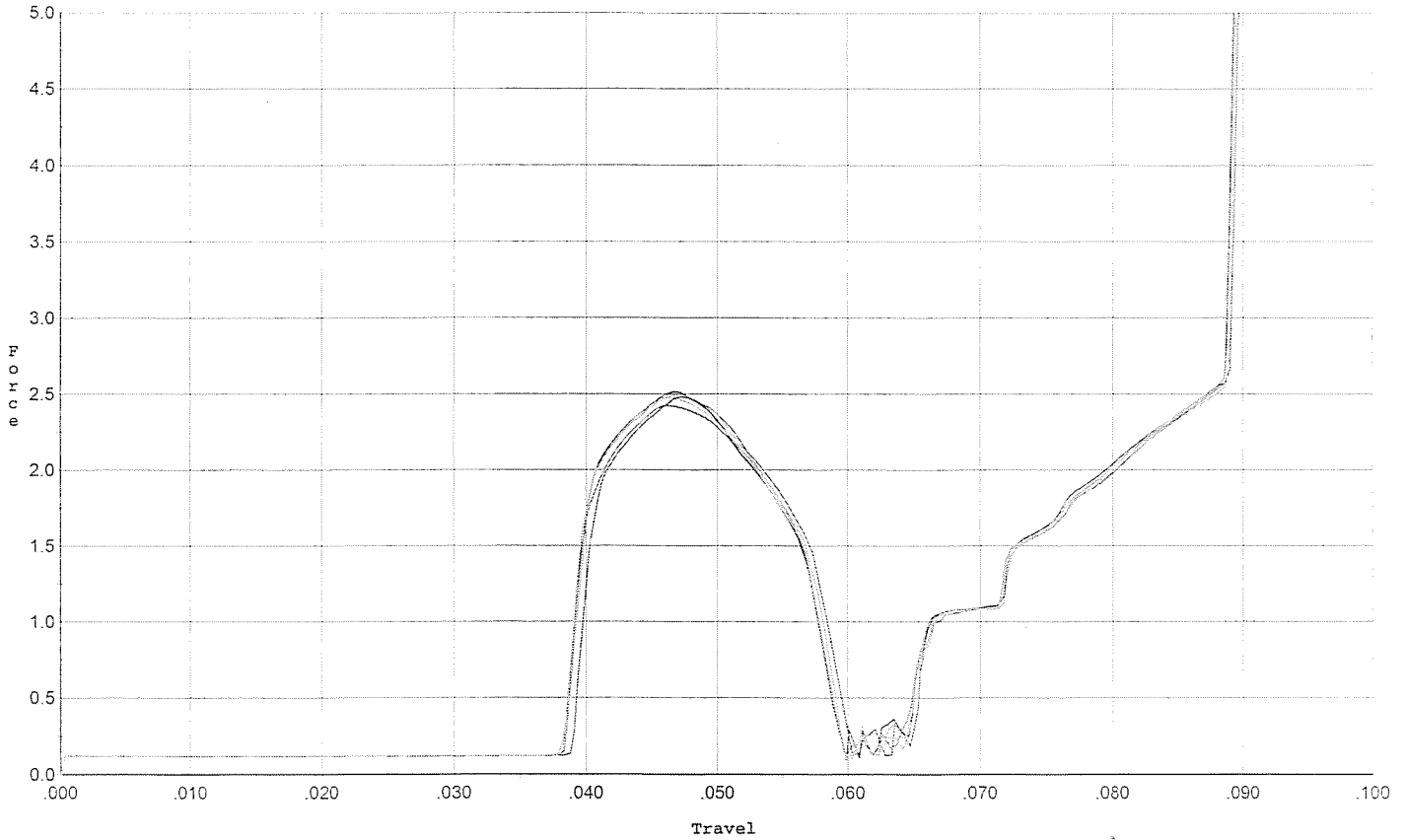


TARGET APPROX 1/2 SCALE

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/07/07

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



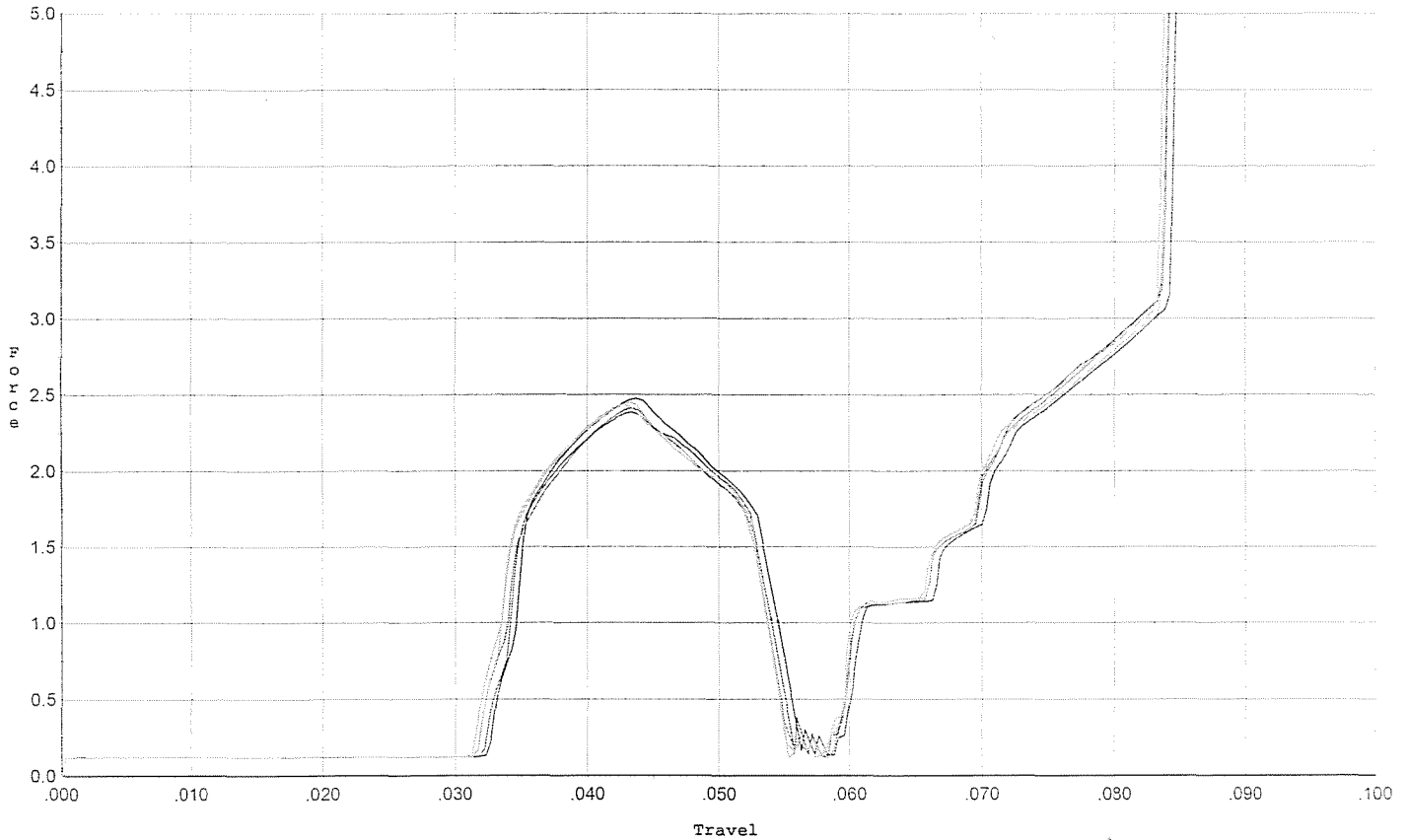
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.482	0.059	0.039	0.039	0.044		Set Trigger
2	2.515	0.057	0.038	0.039	0.043		Set Trigger
3	2.423	0.057	0.039	0.039	0.042		Set Trigger
4	2.480	0.057	0.038	0.039	0.043		Set Trigger
5	2.496	0.058	0.038	0.039	0.044		Set Trigger

AVG 2.47

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/07/07

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



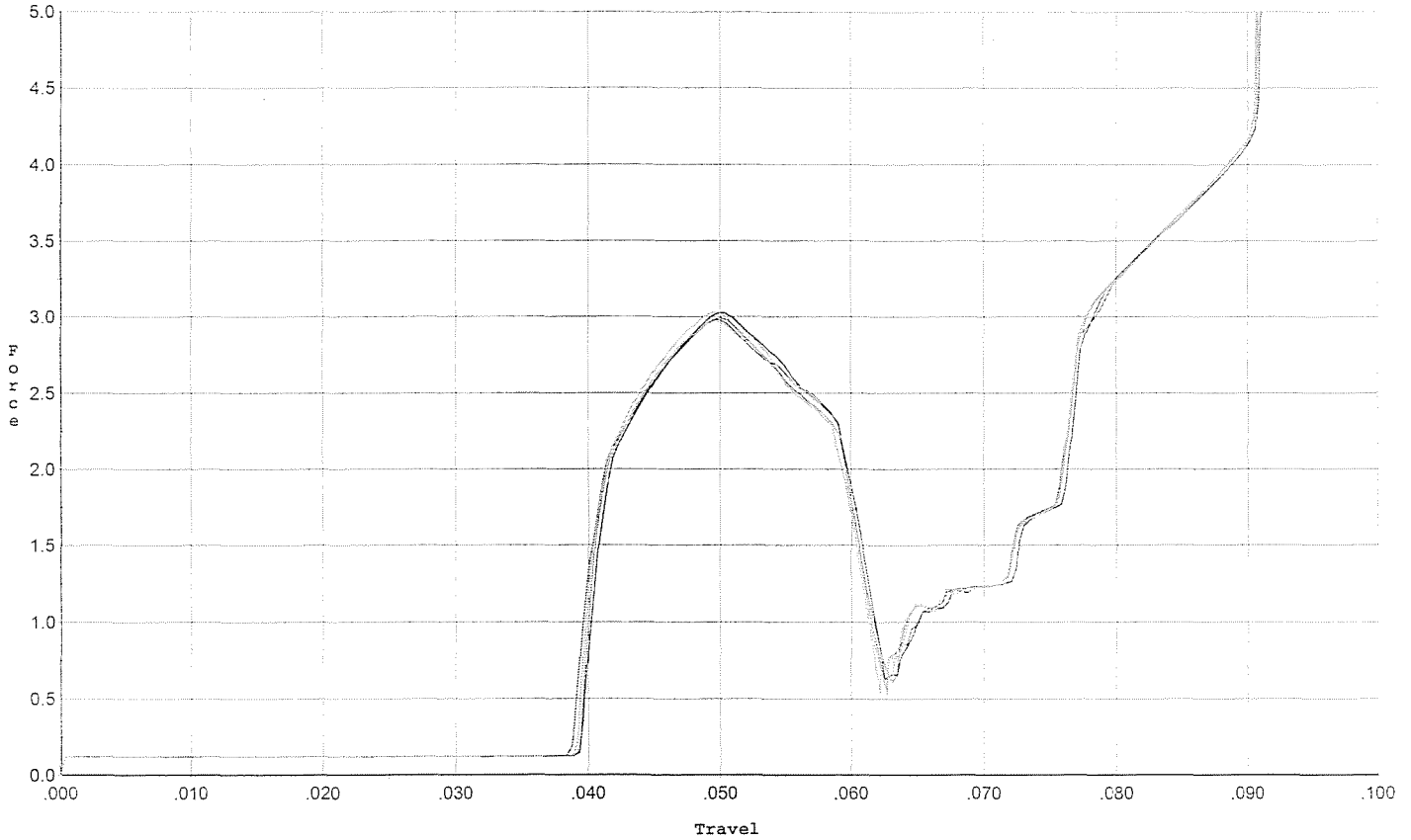
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.385	0.054	0.032	0.036	0.045		Set Trigger
2	2.474	0.054	0.033	0.036	0.046		Set Trigger
3	2.415	0.053	0.032	0.036	0.044		Set Trigger
4	2.436	0.052	0.032	0.036	0.045		Set Trigger
5	2.450	0.053	0.032	0.036	0.045		Set Trigger

AVG 2.43

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 3/07/07

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



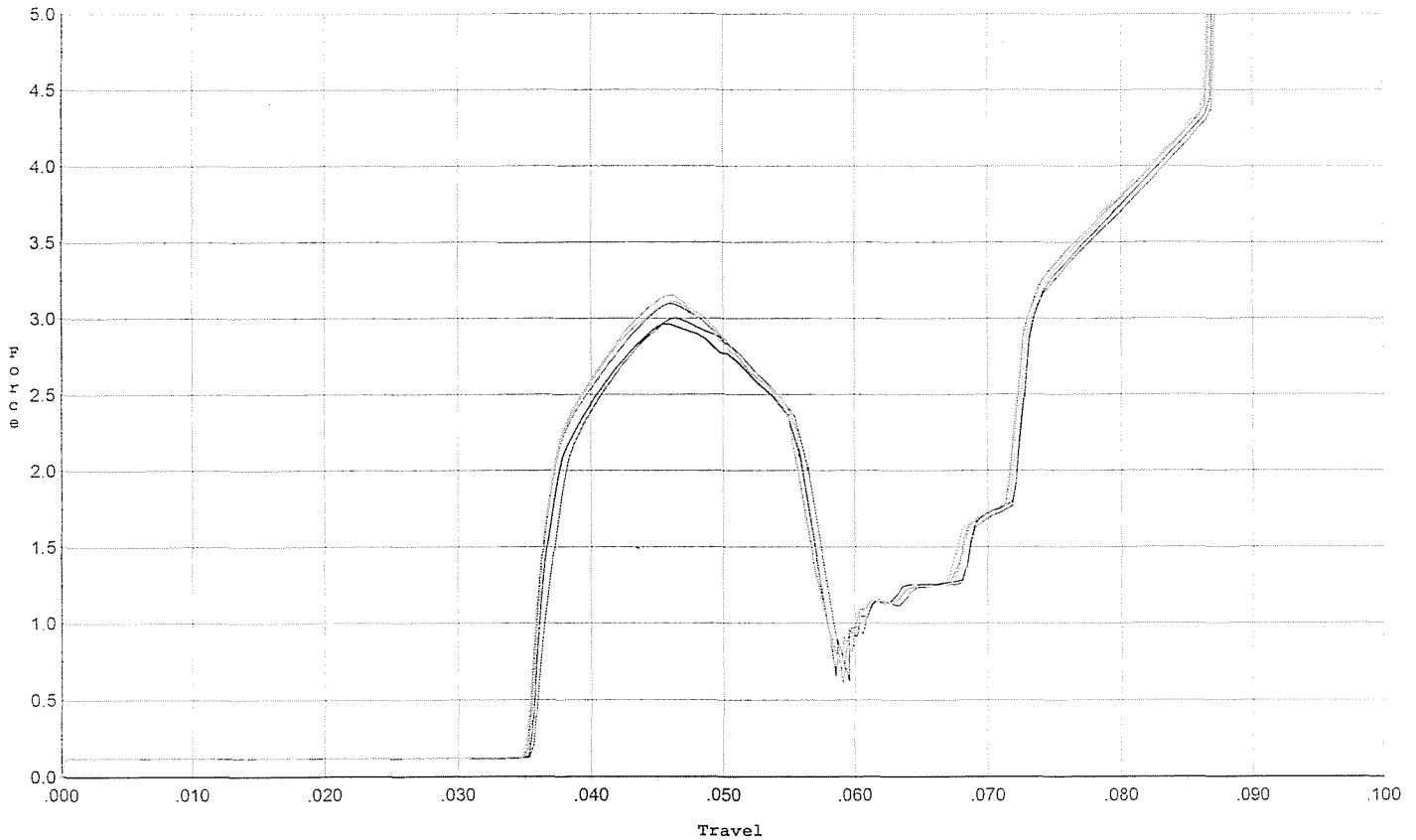
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.977	0.059	0.039	0.038	0.056		Set Trigger
2	3.025	0.060	0.040	0.037	0.057		Set Trigger
3	2.993	0.059	0.039	0.038	0.055		Set Trigger
4	3.029	0.059	0.039	0.038	0.056		Set Trigger
5	2.969	0.060	0.039	0.038	0.056		Set Trigger

Avg 2.99

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/07/07

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



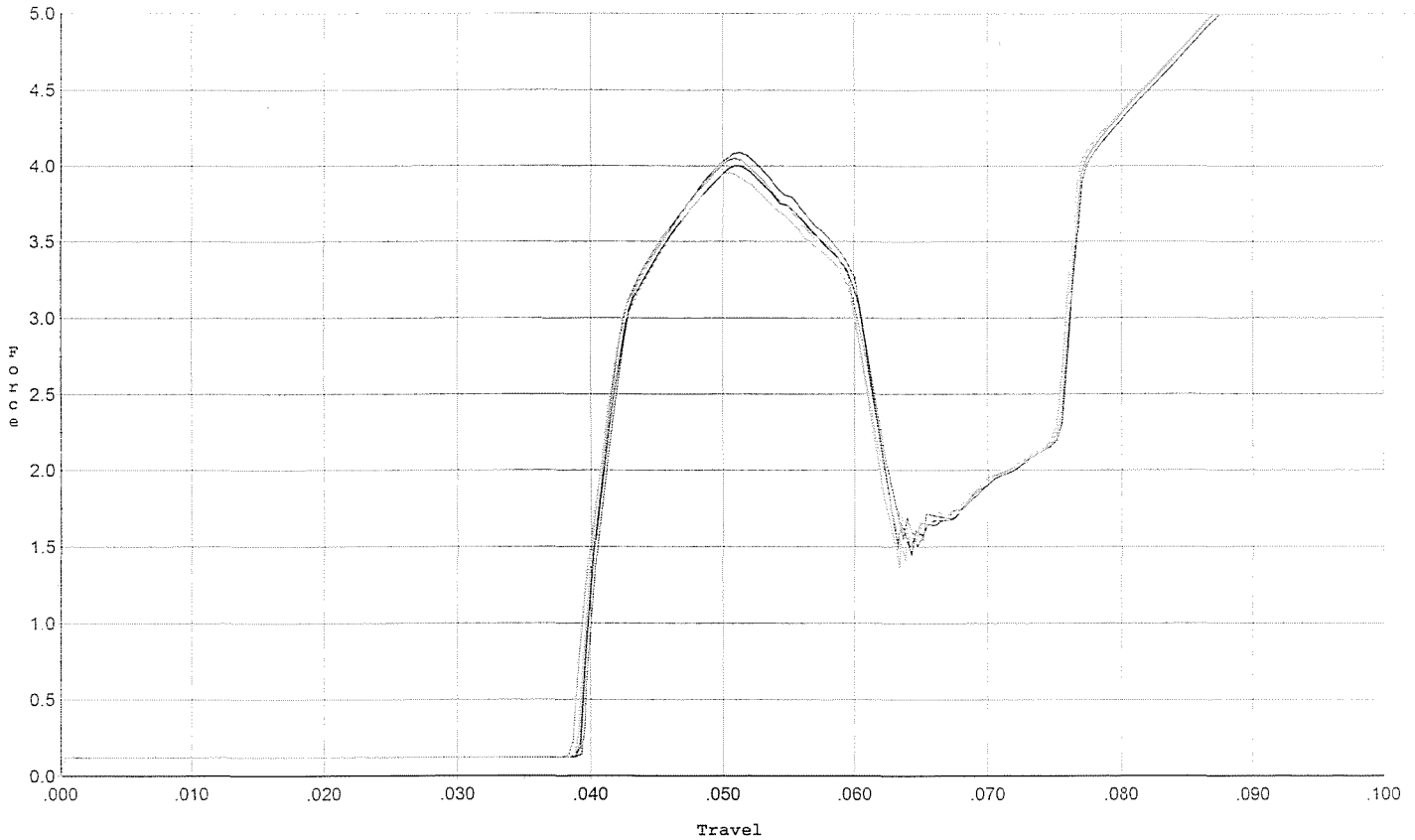
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.001	0.056	0.036	0.036	0.057		Set Trigger
2	2.964	0.056	0.036	0.036	0.056		Set Trigger
3	3.095	0.055	0.035	0.036	0.056		Set Trigger
4	3.153	0.055	0.035	0.036	0.057		Set Trigger
5	3.108	0.056	0.035	0.036	0.058		Set Trigger

Avg 3.06

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 3/07/07

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



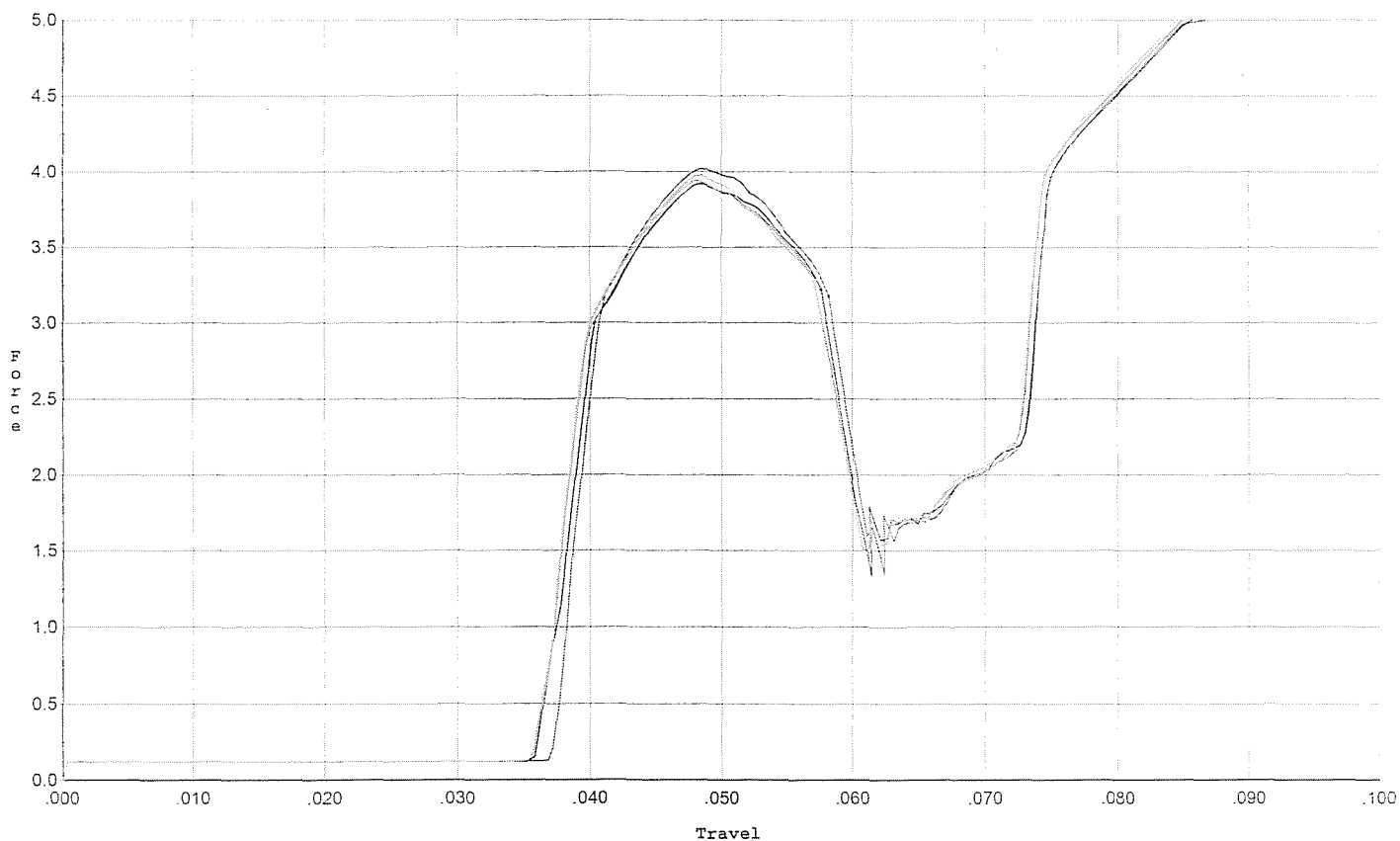
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.090	0.060	0.040	0.035	0.077		Set Trigger
2	4.003	0.060	0.039	0.035	0.077		Set Trigger
3	4.050	0.061	0.039	0.035	0.078		Set Trigger
4	4.057	0.060	0.039	0.036	0.076		Set Trigger
5	3.957	0.060	0.039	0.035	0.076		Set Trigger

Avg 4.03

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/07/07

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



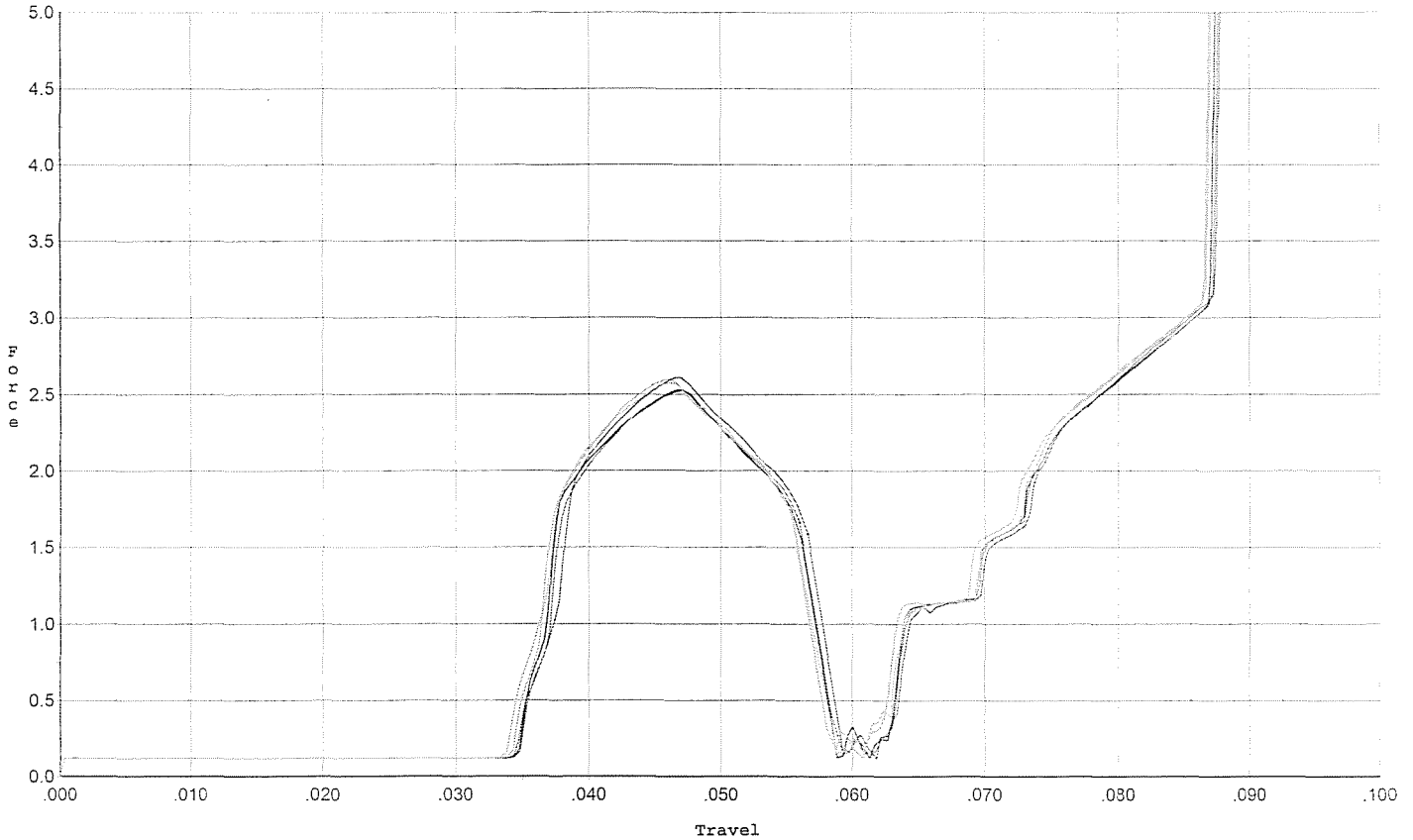
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.018	0.058	0.037	0.035	0.077		Set Trigger
2	3.920	0.058	0.036	0.035	0.076		Set Trigger
3	3.926	0.058	0.036	0.035	0.077		Set Trigger
4	3.979	0.058	0.036	0.035	0.078		Set Trigger
5	3.945	0.058	0.036	0.035	0.078		Set Trigger

Avg 3.95

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/07/07

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



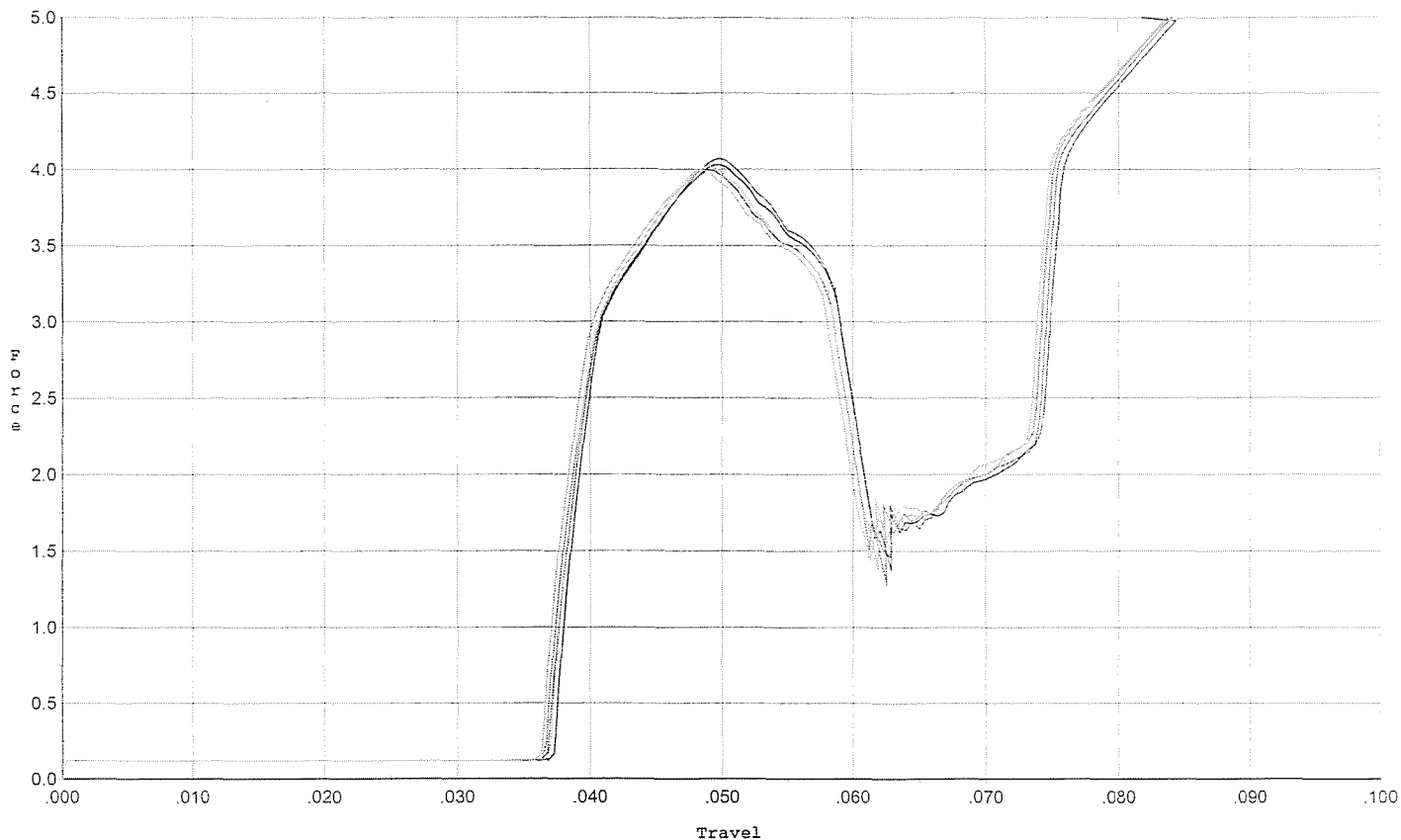
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.608	0.057	0.035	0.037	0.048		Set Trigger
2	2.526	0.056	0.035	0.037	0.047		Set Trigger
3	2.529	0.056	0.035	0.037	0.047		Set Trigger
4	2.577	0.055	0.034	0.037	0.048		Set Trigger
5	2.600	0.055	0.035	0.037	0.048		Set Trigger

Aug 2.56

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/07/07

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	4.071	0.059	0.037	0.035	0.079		Set Trigger
2	4.029	0.059	0.037	0.035	0.078		Set Trigger
3	3.993	0.058	0.037	0.035	0.077		Set Trigger
4	4.020	0.058	0.037	0.035	0.077		Set Trigger
5	3.997	0.058	0.036	0.035	0.077		Set Trigger

AVG 4.02

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

R & E NUMBER	126311			
SERIAL NUMBER	G10296699			
LOG-IN DATE	3-8-07			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		3-8-07	RTZ
505	RE-BARREL		3-15-07	RTZ
560	ASSEMBLE		3-15-07	RTZ
600	PROOF		3-15-07	FM
605	CHECK HEADSPACE	INSPECTED	3-15-07	FM
610	DIS-ASSEMBLE GUN	MAR 20 2007	3-19-07	RTZ
612	MAGNAFLUX	OPERATOR <i>unus</i>	3/20/07	<i>unus</i>
510	DRILL AND TAP		3-20-07	TRL
615	ROLLMARK CALIBER		3-20-07	CW
618	ROTO-BLAST		3-21-07	LB
620	APPLY COATINGS		3/23/07	RTZ
625	FINAL ASSEMBLY		3-26-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	3-26-07	<i>unus</i>
650	TARGET	(PASS) FAIL	3-26-07	<i>unus</i>
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		3-28-07	RTZ
	A) HEADSPACE	(PASS) FAIL	3-28-07	RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.28 2.19 2.43 2.18 2.22 3-28-07	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6.5 6.5 6.5 3-28-07	DA
	G) SAFETY OFF FORCE	2 LBS MAX	3.2 3.2 3.2 3-28-07	DA
	I) FIRING PIN INDENT	.020	1024 10245 10245 3-28-07	DA
690	PACK		3-28-07	DA

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

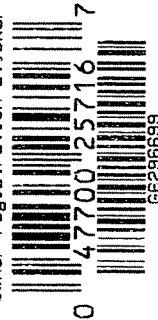
- INSTRUCTION BOOK 3518

DD FORM

proof of purchase



owner registration sticker



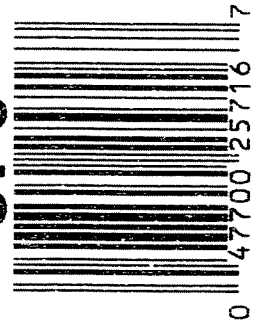
ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

G6296699

UPC



Remington®

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

Made in Illinois, NY Reg. U.S. Pat. & tm. Marca Registrada. Marque



5716 66296699

ORDER 25716

M/24 7.62 NATO S.W.S. (COMPLETE SYST

UPC



0 47700 25716 7

ORDER 25716

M/24 7.62 NATO S.W.S. (COMPLETE SYST

UPC



0 47700 25716 7

SERIAL NO.



66296699

INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G 629 6699

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		11-12-03	RJL
600	PROOF		11-12-03	Ac
607	CHECK HEADSPACE	MAGNAFLUX INSPECTED	11-12-03	Ac
610	DIS-ASSEMBLE GUN	NOV 13 2003		
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT	OPERATOR <u>BS</u>		
615	ROLLMARK CALIBER		11-13-03	AB
617	DRILL AND TAP SIGHT HOLES		11-13-03	TRLJ
620	APPLY COATINGS (BARREL ACTION)			
	(BOLT)			
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		11/24/03	RW
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		11/24/03	RW
	C) INSPECT EJECTOR HOLE FOR CHAMFER		11/24/03	RW
	D) OIL FIRING PIN ASSEMBLY		11/24/03	RW
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE 2.50 LBS +/- .5 LBS			

OP #	OPERATION NAME	2 LBS MIN 10 LBS MAX	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE		<u>5.76 lbs</u> <u>5.75 lbs</u> <u>6.00 lbs</u>	12-11-03	AK
CONT					
	G) SAFETY OFF FORCE	2 LBS MIN	<u>2 lbs</u> <u>2 lbs</u> <u>2 lbs</u>	12-11-03	AK
	H) TRIGGER PULL TEST AND RETAINABILITY			12-11-03	RL
	I) FIRING PIN INDENT	.020 MIN	<u>.022</u> <u>.024</u> <u>.023</u>	12-11-03	AK
	J) ASSEMBLE STOCK			11/24/03	RLW
	K) ASSEMBLE SWIVEL STUDS			12-12-03	RL
	L) ATTACH FRONT AND REAR SIGHT ASSY'S			11/24/03	RLW
	M) IRON SIGHT ALIGNMENT			11/24/03	RLW
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER			11/24/03	RLW
640	GALLERY TEST AND TARGET		PASS FAIL	12/8/03	TRLW
	MALFUNCTION		CORRECTION	12/8/03	TRLW
	MALFUNCTION		CORRECTION	12/8/03	TRLW
	MALFUNCTION		CORRECTION	12/8/03	TRLW
	MALFUNCTION		CORRECTION	12/8/03	TRLW
645	INSPECT FOR LIVE AMMO			12/8/03	TRLW
655	FINAL INSPECTION A) HEADSPACE			12-12-03	RL
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.71</u> <u>2.53</u> <u>2.56</u> <u>2.67</u> <u>2.64</u>	12-11-03	AK
	C) FUNCTION			12-12-03	RL
660	PACK			12/12/03	RA

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 11-13-03
 TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.33	2.55		2.22	
PULL #2	2.38	2.36		2.35	
PULL #3	2.57	2.74		2.30	
PULL #4	2.57	2.45		2.39	
PULL #5	2.42	2.13		2.40	
TOTAL	12.27	12.23		11.66	
AVERAGE	2.45	2.44		2.33	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.28		
PULL #2	3.31	3.55		
PULL #3	3.30	3.32		
PULL #4	3.35	3.34		
PULL #5	3.23	3.25		
TOTAL	16.36	16.74		
AVERAGE	3.27	3.34		

	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	4.35	4.09		4.11
PULL #2	4.27	4.17		4.13
PULL #3	4.32	4.14		4.32
PULL #4	4.31	4.30		4.12
PULL #5	4.19	4.10		4.33
TOTAL	21.44	20.80		21.01
AVERAGE	4.28	4.16		4.20

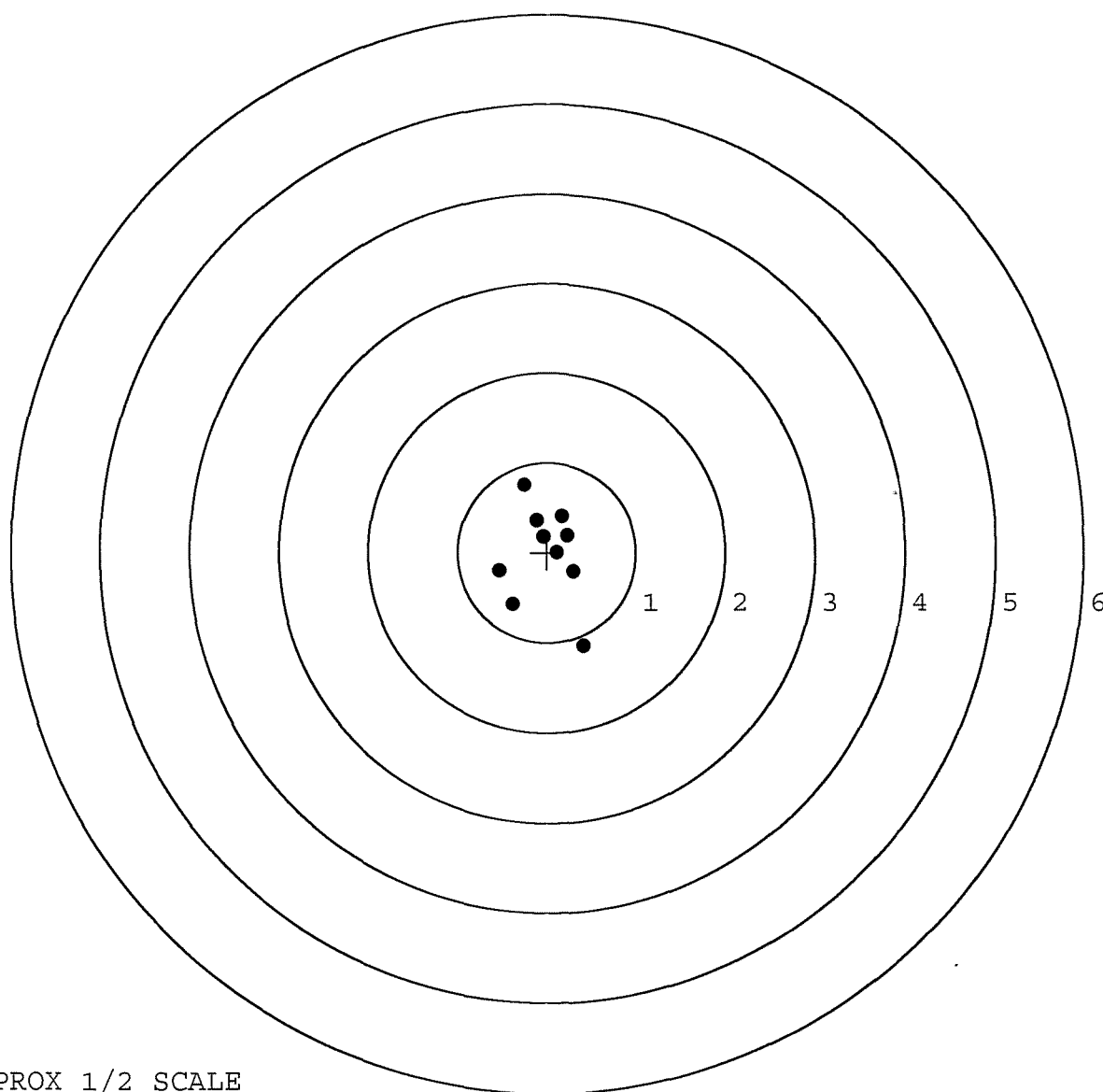
SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6296699.____0
FILE DATE AND TIME: 12/08/2003 20:12

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.005
The Average Y Centroid of the Five Target Set:	-0.068
The Average Point of Impact of the Five Target Set:	0.068
The Average Mean Radius of the Five Target Set:	0.819
The Distance from POA to Centroid Target #1:	0.019
The Distance from Centroid Target #2 to Centroid Target #1:	0.267
The Distance from Centroid Target #3 to Centroid Target #1:	0.138
The Distance from Centroid Target #4 to Centroid Target #1:	0.112
The Distance from Centroid Target #5 to Centroid Target #1:	0.067

SERIAL NUMBER: G6296699. __0	POINT#	X	Y
TARGET NUMBER: 1	1:	0.419	-1.035
FILE DATE: 12/08/2003	2:	-0.389	-0.575
FILE TIME: 20:12	3:	-0.534	-0.204
	4:	0.298	-0.210
X CENTROID: -0.013	5:	-0.264	0.747
Y CENTROID: -0.014	6:	0.165	0.406
POA TO CENTROID: 0.019	7:	0.233	0.193
HORZ SPREAD: 0.953	8:	-0.045	0.177
VERT SPREAD: 1.782	9:	0.107	0.004
GROUP SPREAD: 1.908	10:	-0.122	0.358
MIN RADIUS: 0.122			
MAX RADIUS: 1.109			
MEAN RADIUS: 0.499			
# IN 1 IN DIAMETER: 6			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			

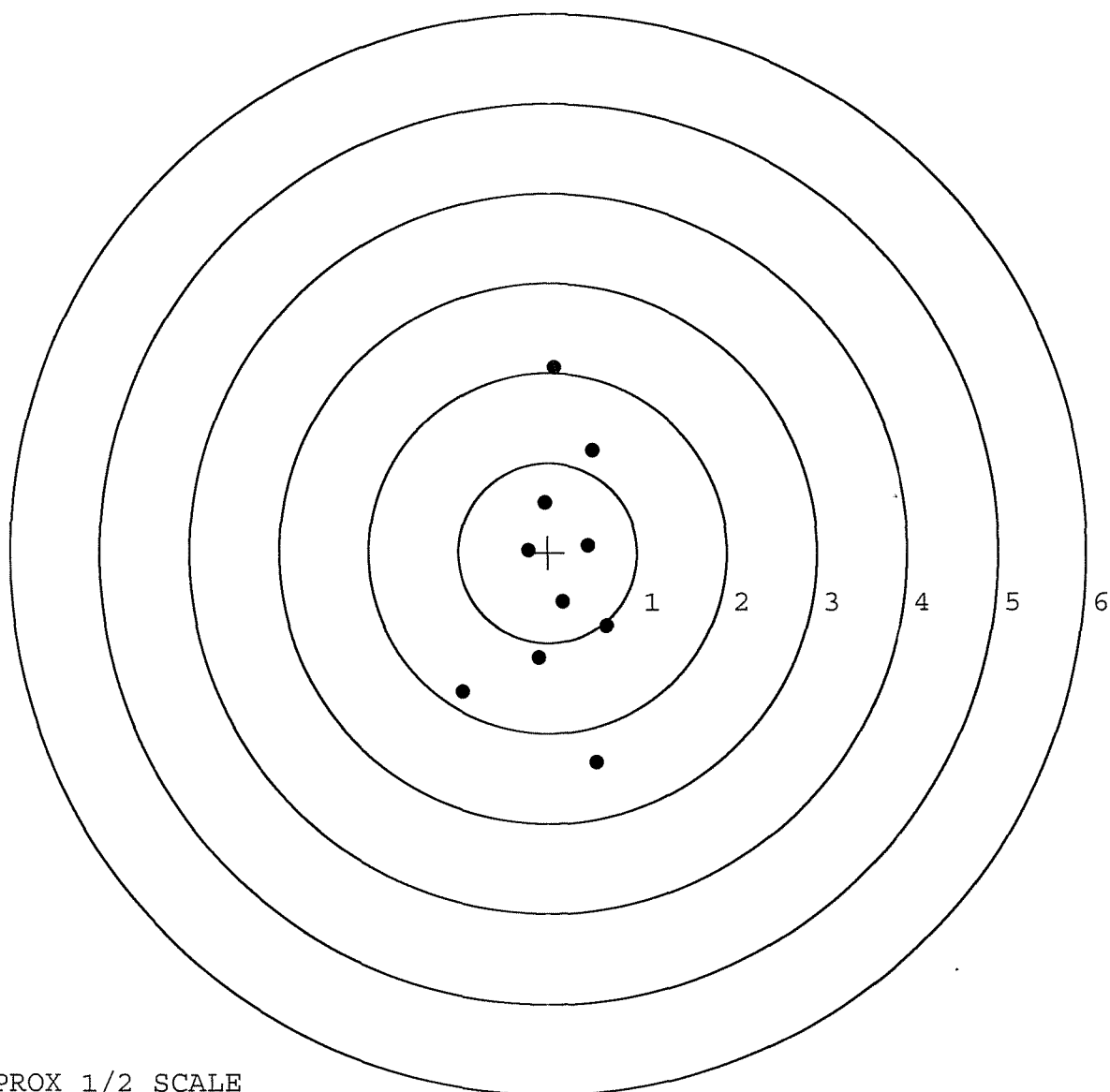


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6296699. __0
TARGET NUMBER: 2
FILE DATE: 12/08/2003
FILE TIME: 20:12

POINT#	X	Y
1:	0.552	-2.320
2:	-0.106	-1.171
3:	0.163	-0.550
4:	-0.953	-1.547
5:	-0.042	0.557
6:	0.496	1.145
7:	0.064	2.056
8:	0.452	0.084
9:	-0.225	0.026
10:	0.656	-0.815

X CENTROID: 0.106
Y CENTROID: -0.254
POA TO CENTROID: 0.275
HORZ SPREAD: 1.609
VERT SPREAD: 4.376
GROUP SPREAD: 4.403
MIN RADIUS: 0.302
MAX RADIUS: 2.310
MEAN RADIUS: 1.132
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 7

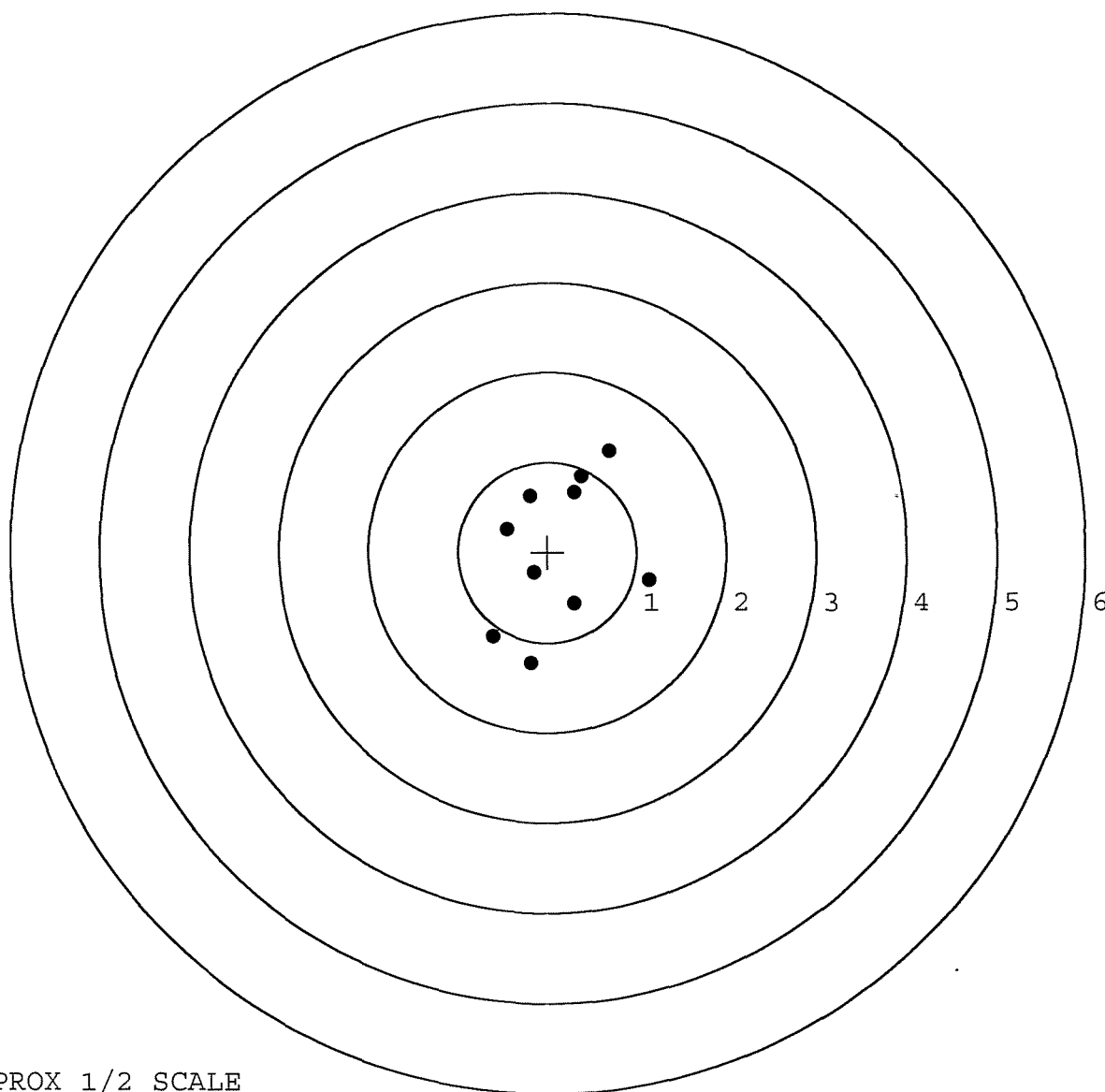


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6296699. 0
TARGET NUMBER: 3
FILE DATE: 12/08/2003
FILE TIME: 20:12

X CENTROID: 0.120
Y CENTROID: 0.024
POA TO CENTROID: 0.122
HORZ SPREAD: 1.748
VERT SPREAD: 2.360
GROUP SPREAD: 2.518
MIN RADIUS: 0.375
MAX RADIUS: 1.288
MEAN RADIUS: 0.864
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.138	-0.308
2:	-0.188	-1.227
3:	-0.610	-0.939
4:	0.303	-0.570
5:	-0.155	-0.232
6:	-0.459	0.253
7:	-0.202	0.623
8:	0.298	0.664
9:	0.379	0.843
10:	0.691	1.133

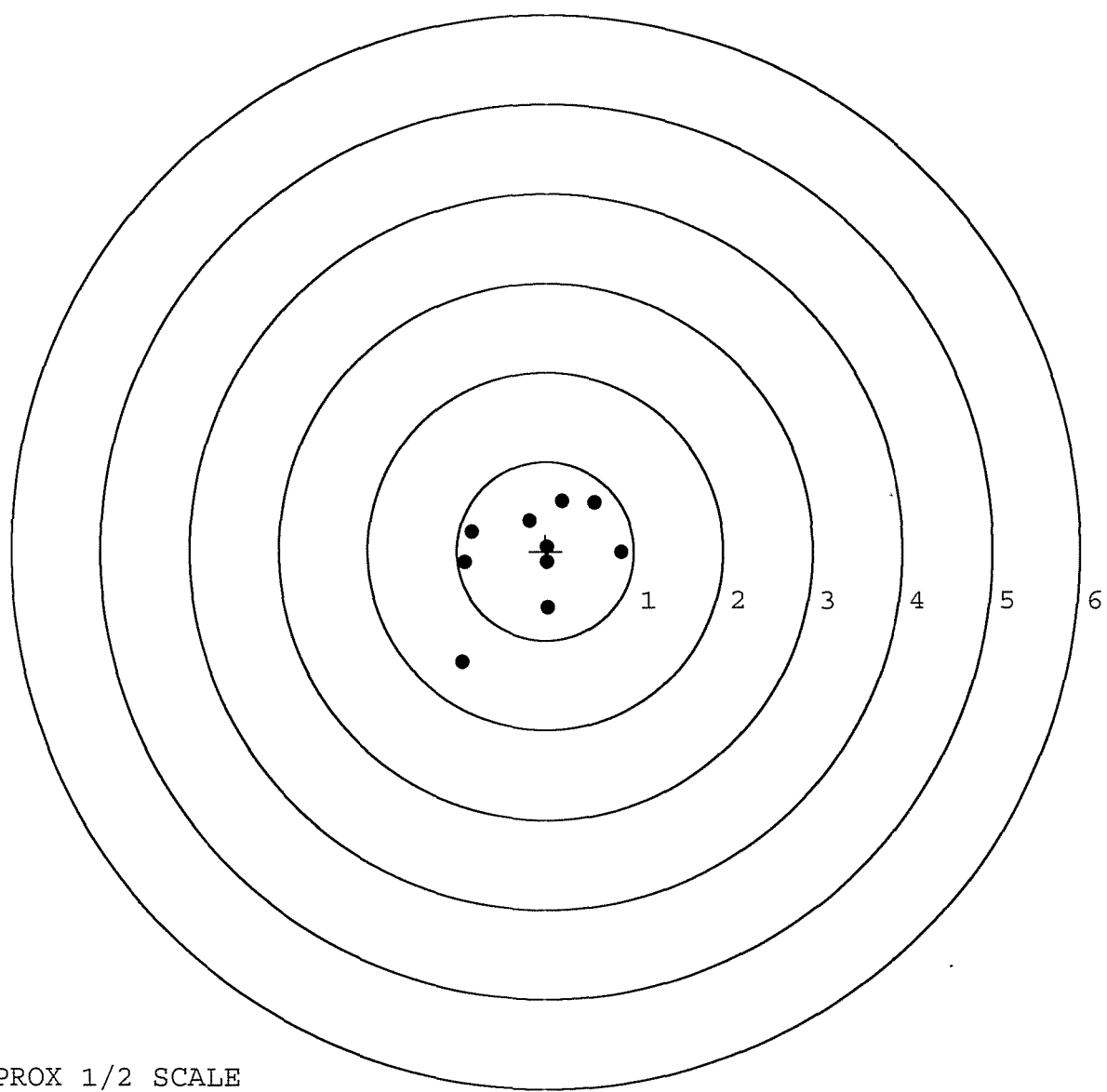


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6296699. 0
TARGET NUMBER: 4
FILE DATE: 12/08/2003
FILE TIME: 20:12

POINT#	X	Y
1:	0.856	-0.008
2:	0.033	-0.634
3:	0.016	-0.124
4:	0.014	0.052
5:	-0.938	-1.251
6:	-0.910	-0.127
7:	-0.828	0.218
8:	-0.192	0.340
9:	0.185	0.564
10:	0.552	0.553

X CENTROID: -0.121
Y CENTROID: -0.042
POA TO CENTROID: 0.128
HORZ SPREAD: 1.794
VERT SPREAD: 1.815
GROUP SPREAD: 2.340
MIN RADIUS: 0.160
MAX RADIUS: 1.459
MEAN RADIUS: 0.689
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6296699. 0

TARGET NUMBER: 5

FILE DATE: 12/08/2003

FILE TIME: 20:12

X CENTROID: -0.066

Y CENTROID: -0.055

POA TO CENTROID: 0.086

HORZ SPREAD: 1.864

VERT SPREAD: 2.604

GROUP SPREAD: 3.069

MIN RADIUS: 0.239

MAX RADIUS: 1.597

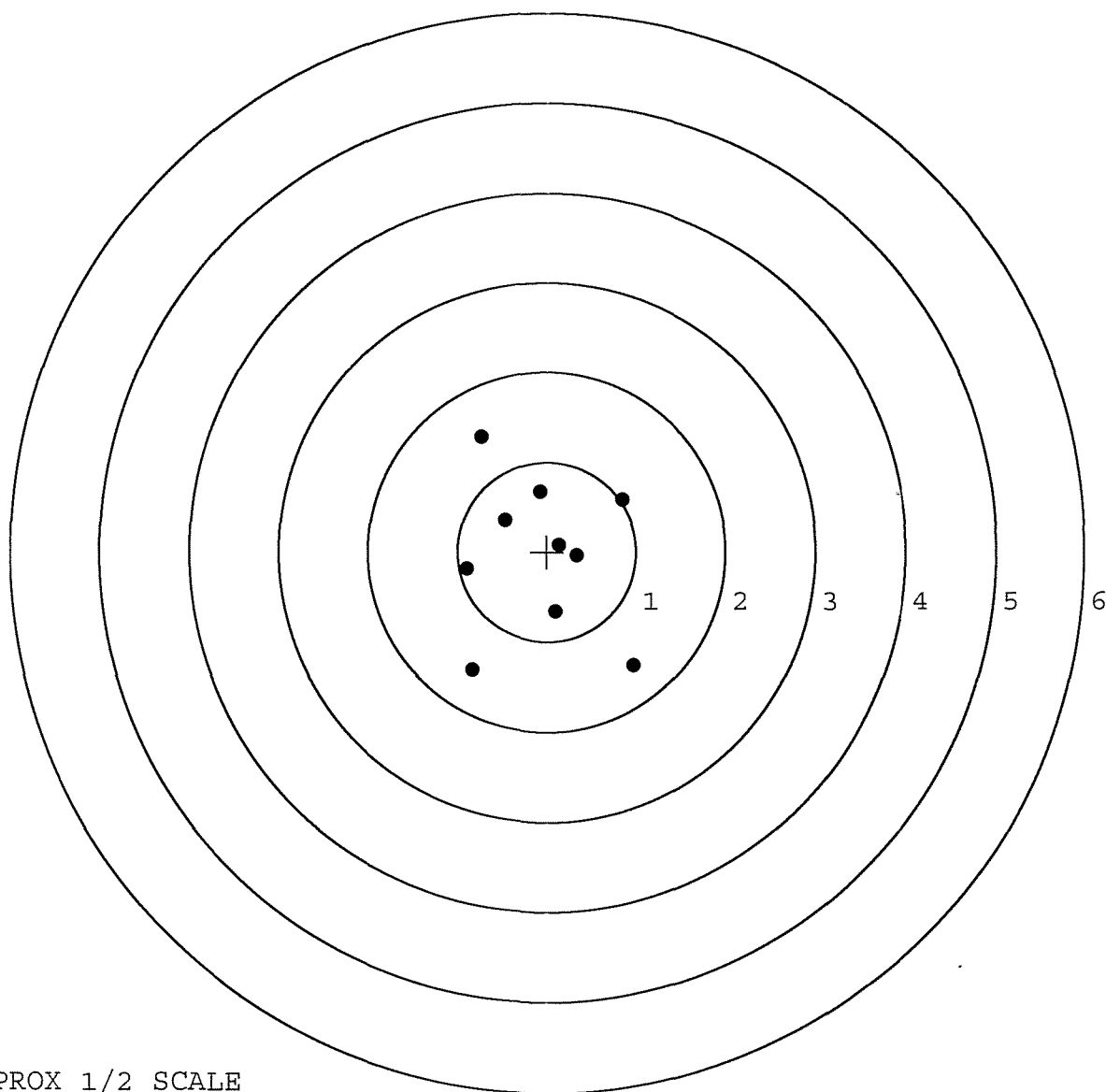
MEAN RADIUS: 0.911

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.967	-1.273
2:	-0.839	-1.326
3:	0.094	-0.671
4:	0.339	-0.041
5:	0.134	0.076
6:	0.841	0.582
7:	-0.086	0.671
8:	-0.474	0.349
9:	-0.897	-0.195
10:	-0.739	1.278



TARGET APPROX 1/2 SCALE