

C6587531

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00126635

Serial: C6587531 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status:

New 3/14/2007 5:49:29 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION OFFICE

TRANSPORTATION OFFICE

Address 1: BLDG 7199

BLDG 7199

Address 2: GLIDER ROAD

PO Box:

GLIDER ROAD

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: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	2

Repair Search

Refresh

Close

naglej

3/14/2007

7:35 AM

CAPS

NUM

INS

SCRL

start

4 Micro...

Arms Ser...

Part Sear...

RAC0179...

5 Inter...

7:35 AM

Serial Number: C6587531

Model: M24 SWS



RE00126635

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587531.___0

FILE DATE AND TIME: 04/12/2007 23:44

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.112
The Average Y Centroid of the Five Target Set:	-0.037
The Average Point of Impact of the Five Target Set:	0.118
The Average Mean Radius of the Five Target Set:	0.830
The Distance from POA to Centroid Target #1:	0.162
The Distance from Centroid Target #2 to Centroid Target #1:	0.233
The Distance from Centroid Target #3 to Centroid Target #1:	0.381
The Distance from Centroid Target #4 to Centroid Target #1:	0.205
The Distance from Centroid Target #5 to Centroid Target #1:	0.357

SERIAL NUMBER: C6587531. 0

TARGET NUMBER: 1

FILE DATE: 04/12/2007

FILE TIME: 23:44

X CENTROID: -0.090

Y CENTROID: 0.135

POA TO CENTROID: 0.162

HORZ SPREAD: 3.328

VERT SPREAD: 1.799

GROUP SPREAD: 3.385

MIN RADIUS: 0.456

MAX RADIUS: 2.084

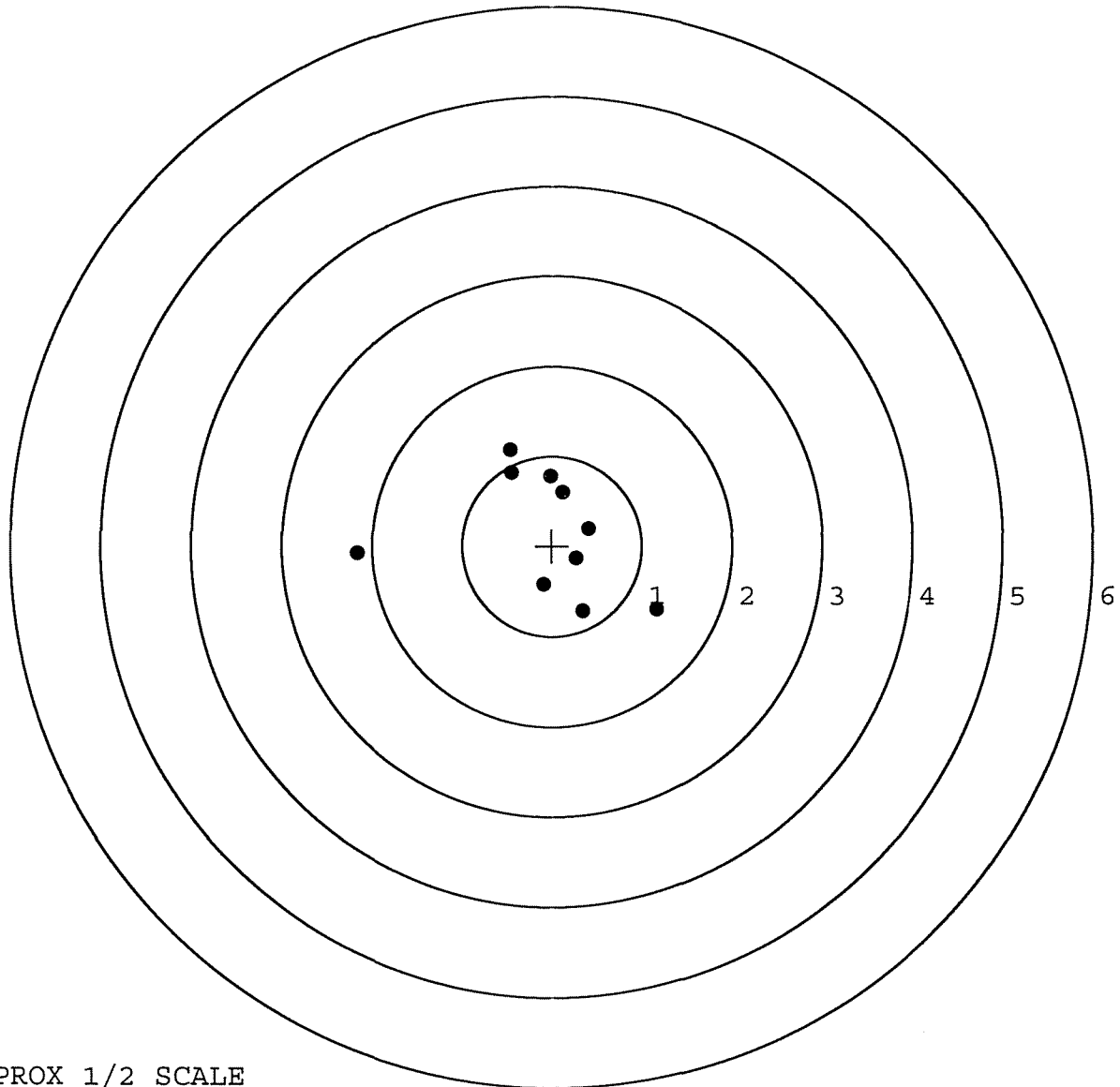
MEAN RADIUS: 0.902

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.447	0.819
2:	-0.470	1.071
3:	-0.021	0.776
4:	0.117	0.597
5:	0.402	0.192
6:	0.269	-0.146
7:	-0.100	-0.435
8:	0.344	-0.728
9:	1.166	-0.707
10:	-2.162	-0.090



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587531. __0

TARGET NUMBER: 2

FILE DATE: 04/12/2007

FILE TIME: 23:44

X CENTROID: -0.270

Y CENTROID: -0.013

POA TO CENTROID: 0.270

HORZ SPREAD: 1.085

VERT SPREAD: 3.503

GROUP SPREAD: 3.511

MIN RADIUS: 0.158

MAX RADIUS: 2.150

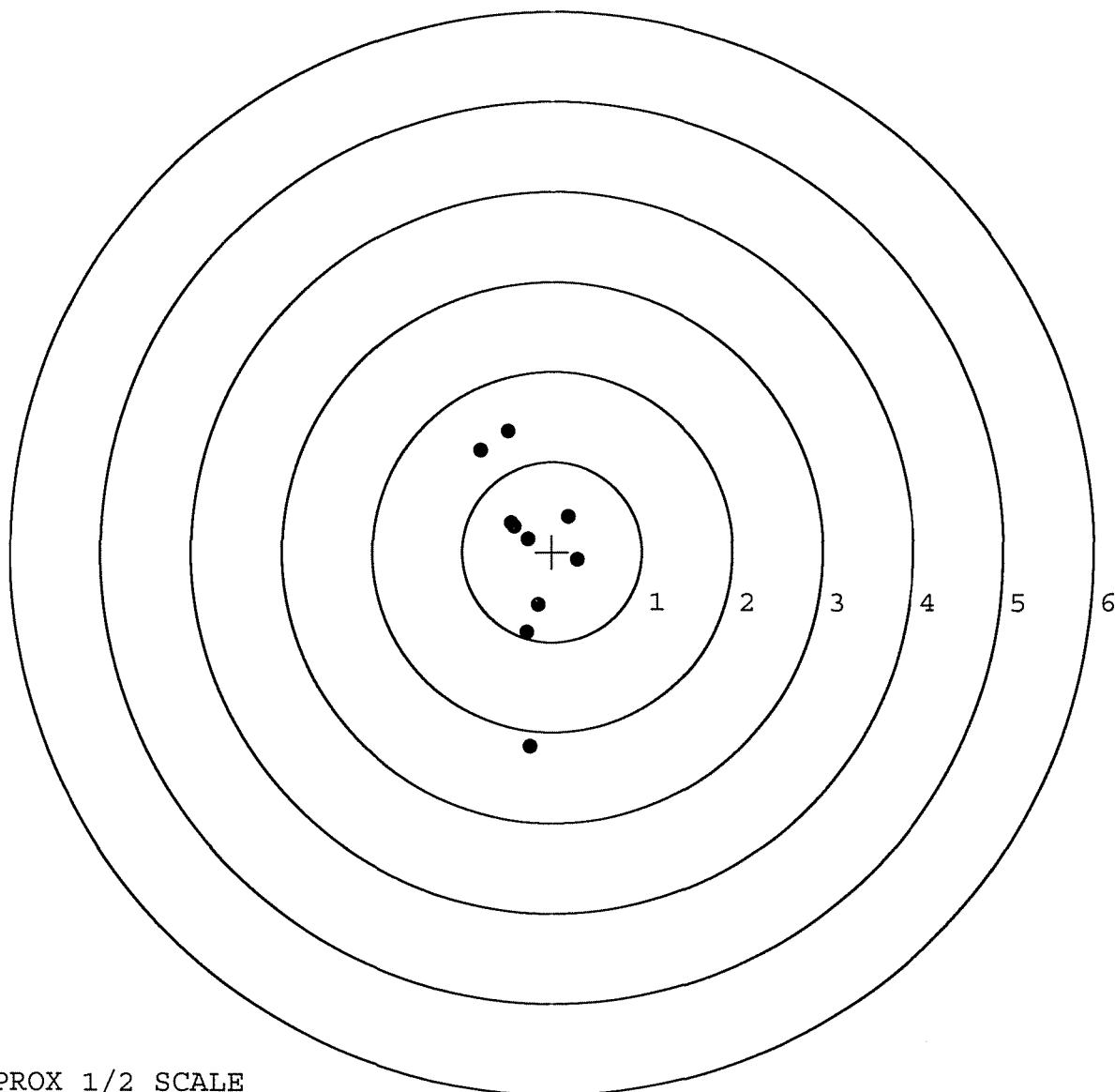
MEAN RADIUS: 0.829

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.802	1.126
2:	-0.496	1.340
3:	-0.465	0.323
4:	-0.274	0.145
5:	0.176	0.393
6:	0.283	-0.088
7:	-0.160	-0.591
8:	-0.281	-0.895
9:	-0.252	-2.163
10:	-0.430	0.281



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587531. __0

TARGET NUMBER: 3

FILE DATE: 04/12/2007

FILE TIME: 23:44

X CENTROID: 0.209

Y CENTROID: -0.101

POA TO CENTROID: 0.232

HORZ SPREAD: 1.992

VERT SPREAD: 1.855

GROUP SPREAD: 2.022

MIN RADIUS: 0.366

MAX RADIUS: 1.100

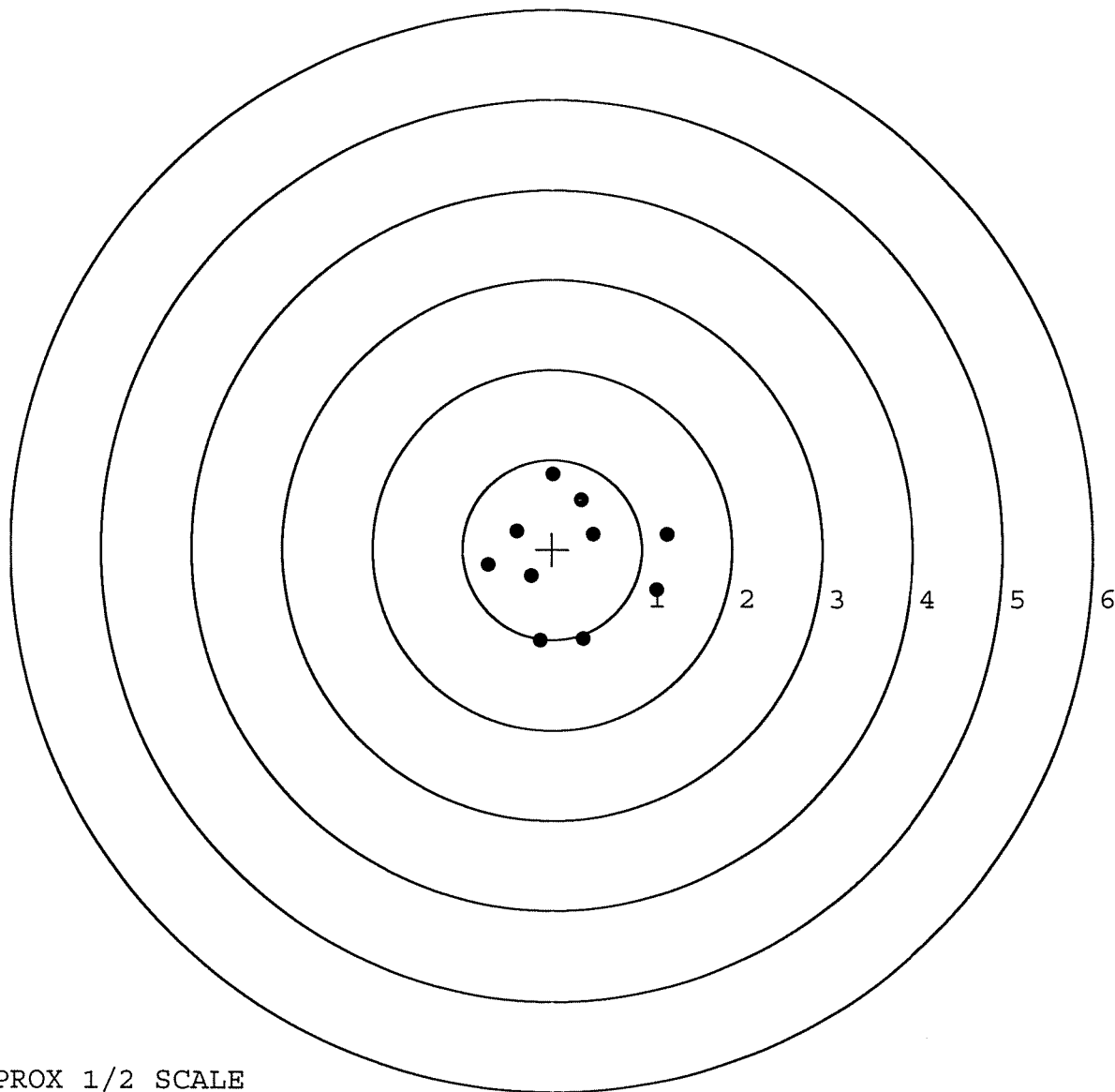
MEAN RADIUS: 0.809

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.394	0.203
2:	-0.718	-0.174
3:	-0.239	-0.306
4:	0.322	0.552
5:	0.454	0.170
6:	0.013	0.840
7:	1.165	-0.455
8:	1.274	0.172
9:	0.346	-0.998
10:	-0.135	-1.015



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587531. __0

TARGET NUMBER: 4

FILE DATE: 04/12/2007

FILE TIME: 23:44

X CENTROID: -0.089

Y CENTROID: -0.070

POA TO CENTROID: 0.113

HORZ SPREAD: 2.302

VERT SPREAD: 2.500

GROUP SPREAD: 2.907

MIN RADIUS: 0.061

MAX RADIUS: 1.594

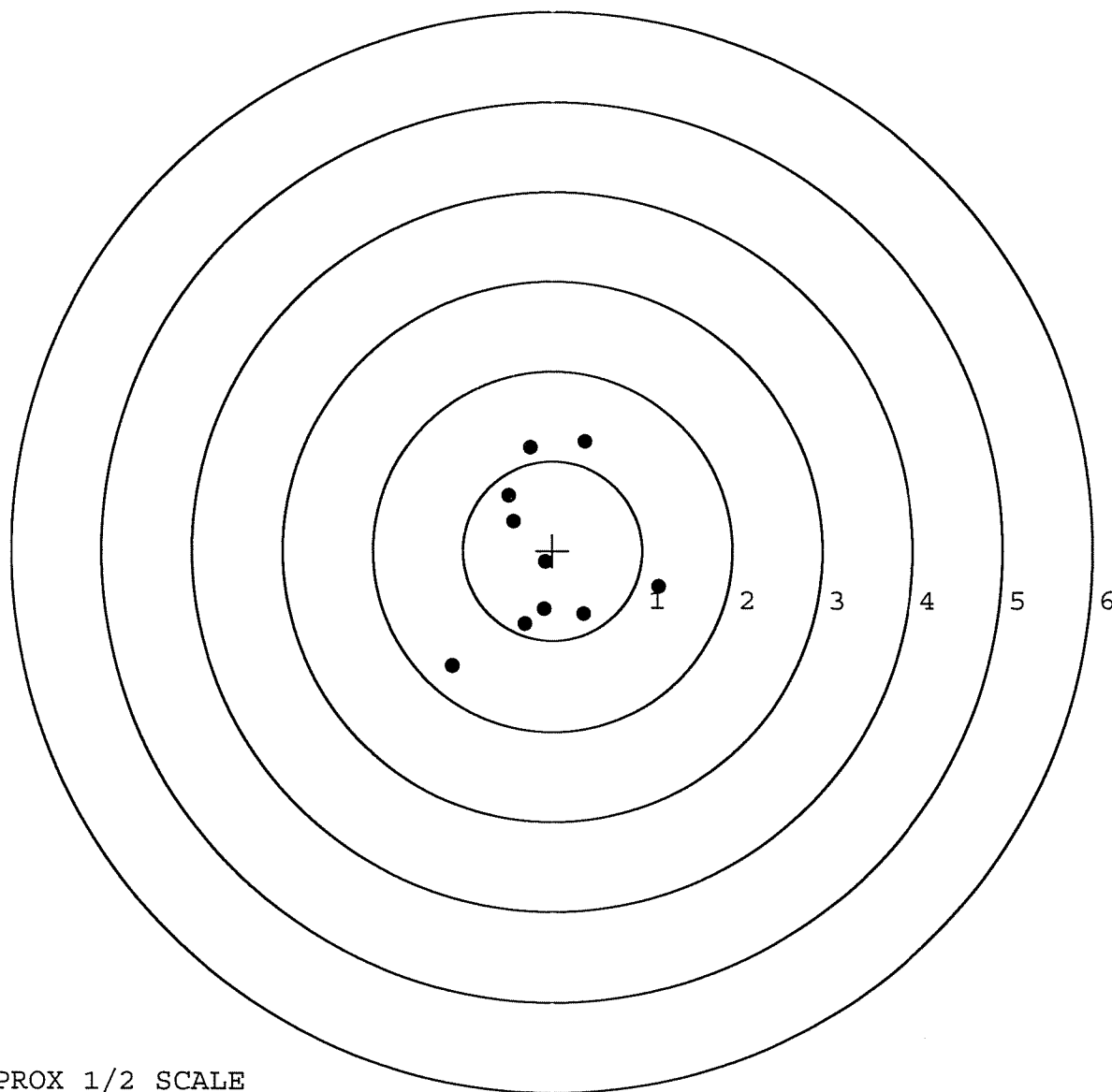
MEAN RADIUS: 0.903

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.436	0.329
2:	-0.492	0.618
3:	-0.248	1.148
4:	0.364	1.214
5:	-0.084	-0.130
6:	-0.098	-0.656
7:	0.350	-0.709
8:	-0.311	-0.822
9:	1.183	-0.402
10:	-1.119	-1.286



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587531. 0

TARGET NUMBER: 5

FILE DATE: 04/12/2007

FILE TIME: 23:44

X CENTROID: -0.321

Y CENTROID: -0.137

POA TO CENTROID: 0.349

HORZ SPREAD: 1.833

VERT SPREAD: 2.389

GROUP SPREAD: 2.537

MIN RADIUS: 0.185

MAX RADIUS: 1.466

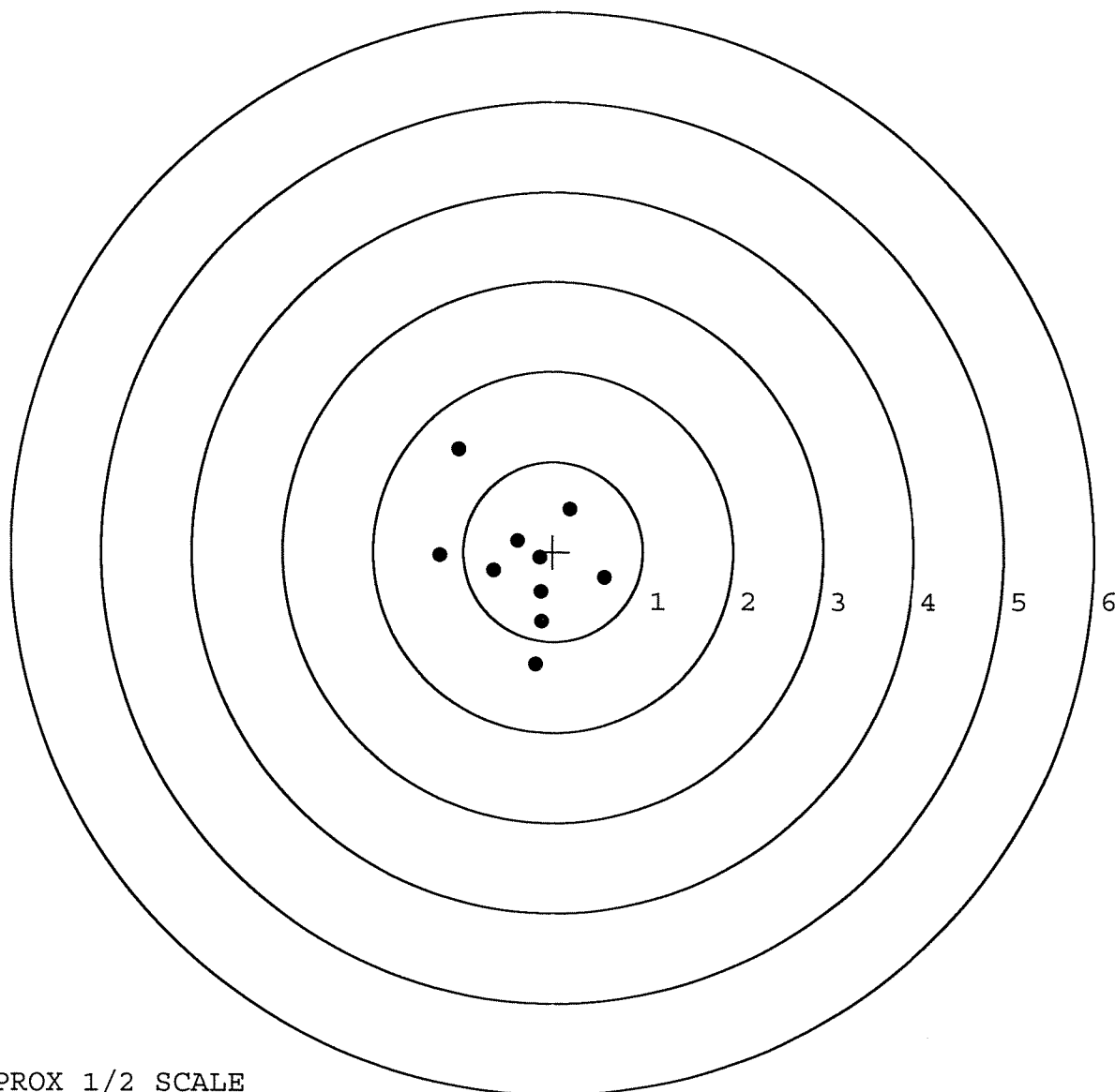
MEAN RADIUS: 0.709

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.053	1.134
2:	-1.257	-0.045
3:	-0.664	-0.212
4:	-0.398	0.126
5:	-0.149	-0.069
6:	-0.134	-0.448
7:	-0.127	-0.784
8:	-0.198	-1.255
9:	0.576	-0.291
10:	0.191	0.476

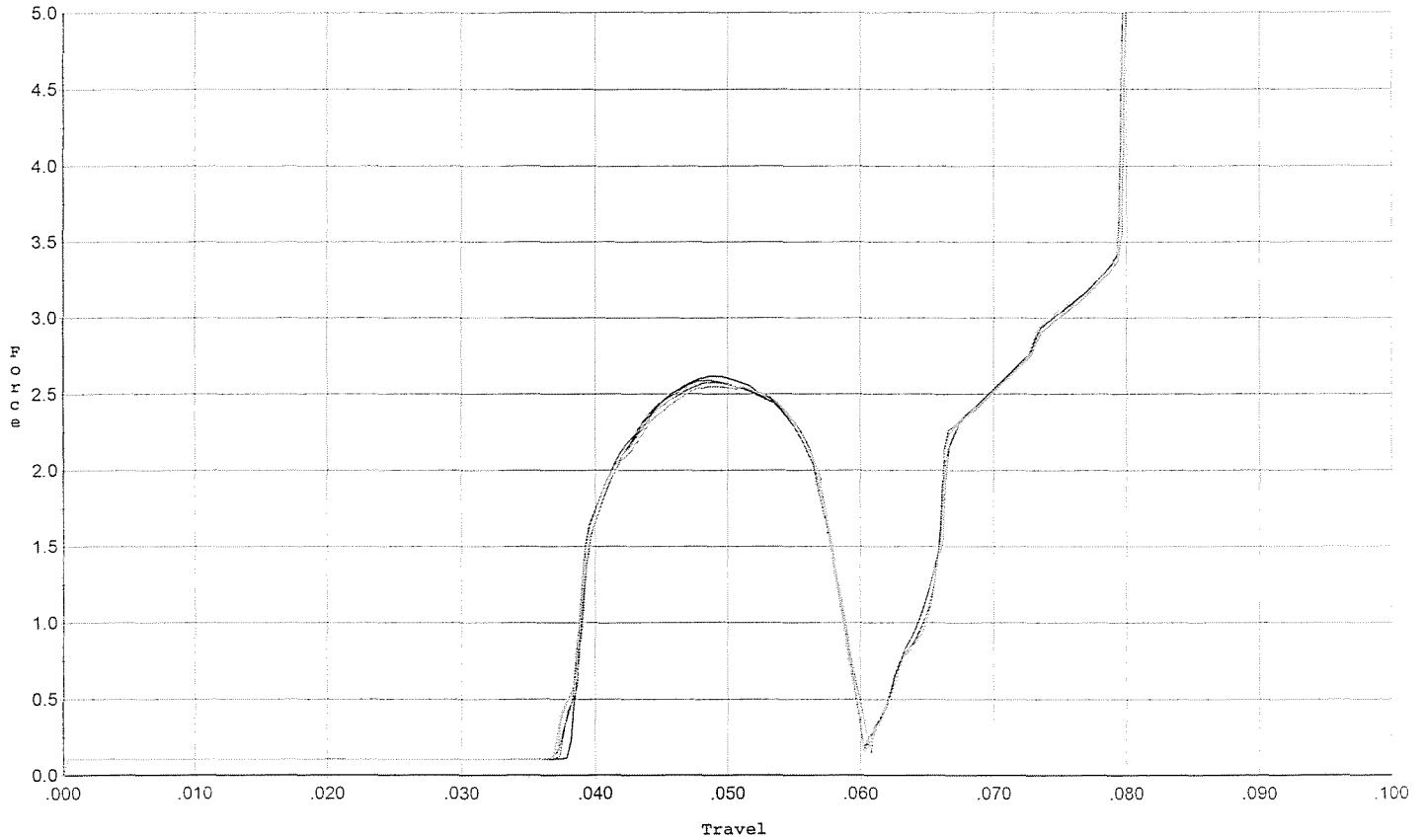


TARGET APPROX 1/2 SCALE

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/12/07

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



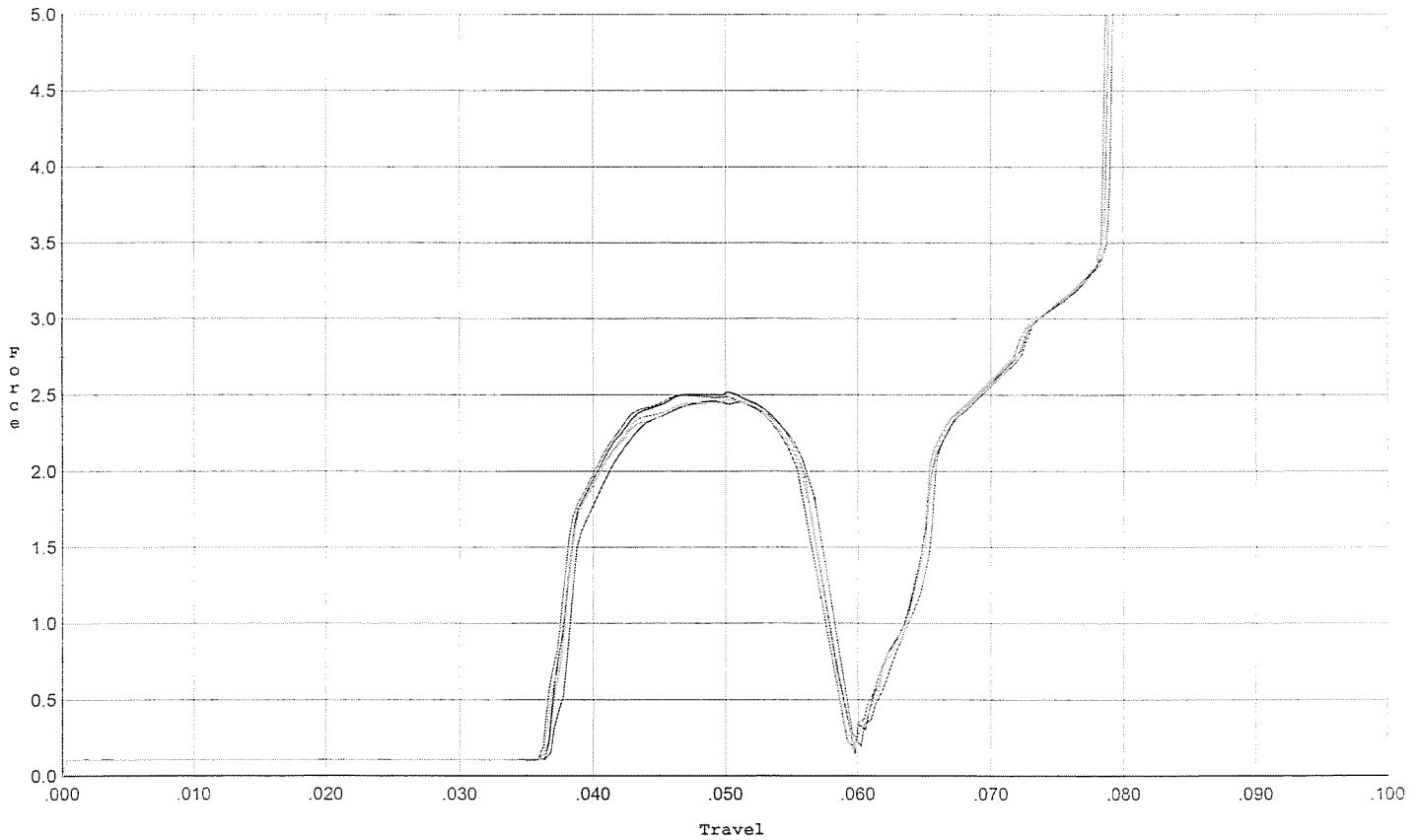
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.591	0.058	0.038	0.029	0.048		Set Trigger
2	2.618	0.057	0.038	0.029	0.047		Set Trigger
3	2.580	0.057	0.038	0.029	0.047		Set Trigger
4	2.573	0.057	0.037	0.029	0.048		Set Trigger
5	2.550	0.057	0.037	0.029	0.047		Set Trigger

AVG 2.58

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 3/12/07

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



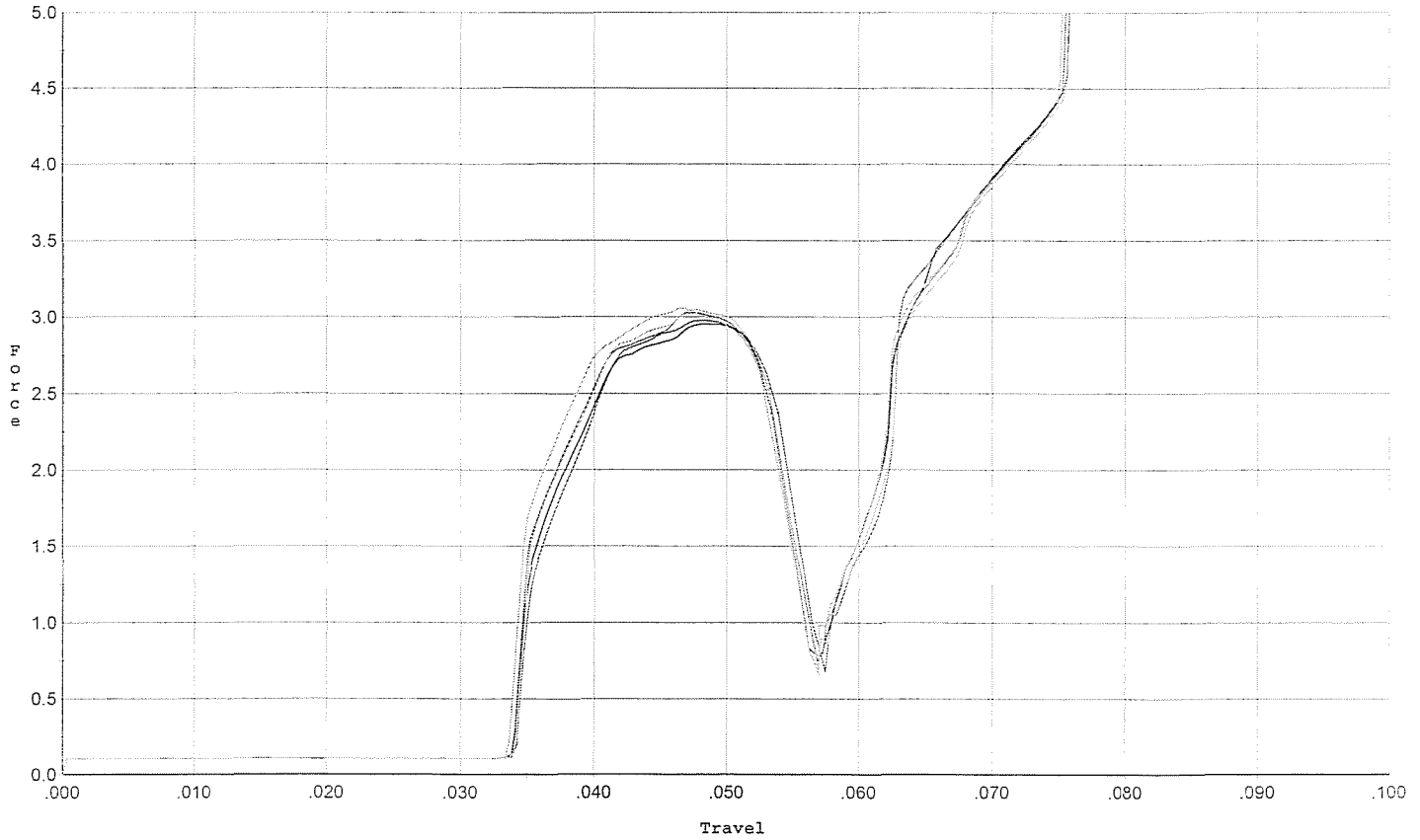
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.458	0.057	0.037	0.029	0.046		Set Trigger
2	2.519	0.056	0.037	0.029	0.047		Set Trigger
3	2.498	0.057	0.036	0.029	0.048		Set Trigger
4	2.469	0.056	0.037	0.029	0.046		Set Trigger
5	2.485	0.056	0.037	0.029	0.046		Set Trigger

Avg 2.48

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/12/07

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



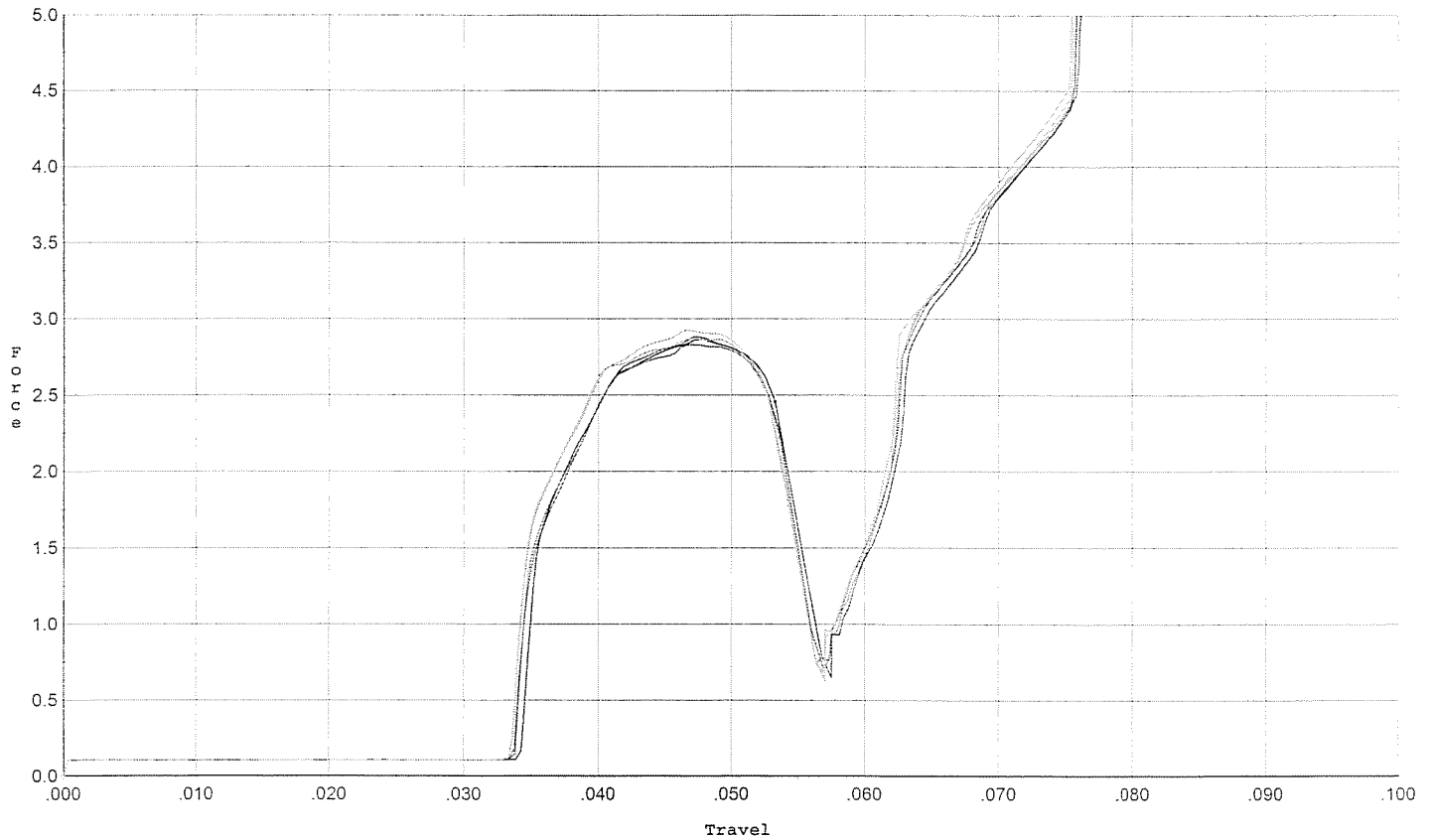
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.976	0.054	0.034	0.028	0.054		Set Trigger
2	2.953	0.053	0.034	0.028	0.053		Set Trigger
3	3.027	0.053	0.034	0.028	0.054		Set Trigger
4	3.045	0.053	0.034	0.028	0.054		Set Trigger
5	3.058	0.054	0.034	0.028	0.057		Set Trigger

AVG 3.01

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/12/07

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



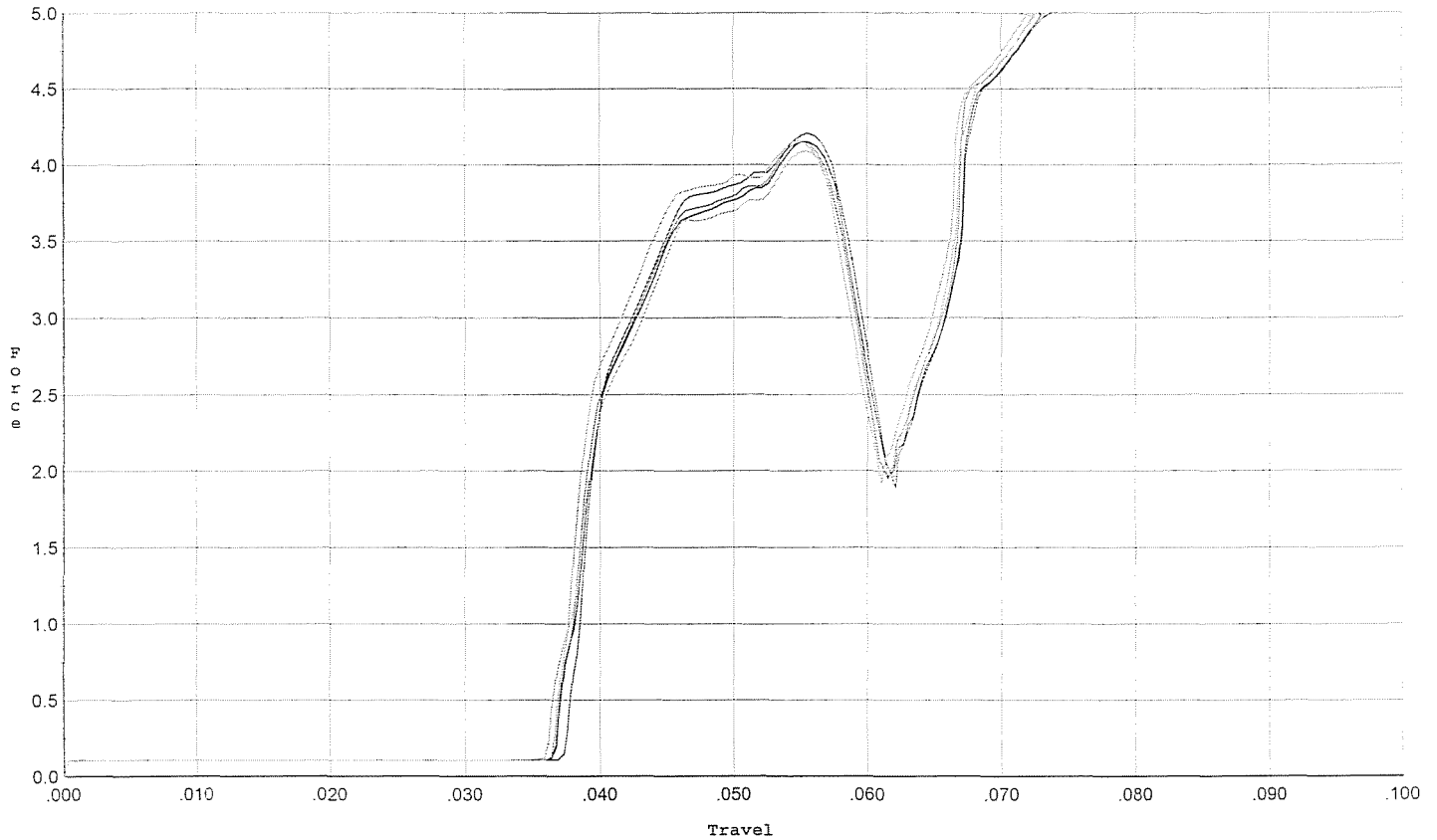
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.881	0.054	0.034	0.028	0.053		Set Trigger
2	2.867	0.053	0.034	0.028	0.052		Set Trigger
3	2.830	0.054	0.034	0.028	0.052		Set Trigger
4	2.926	0.054	0.034	0.028	0.055		Set Trigger
5	2.866	0.054	0.034	0.028	0.055		Set Trigger

AVG 2.87

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 3/12/07

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



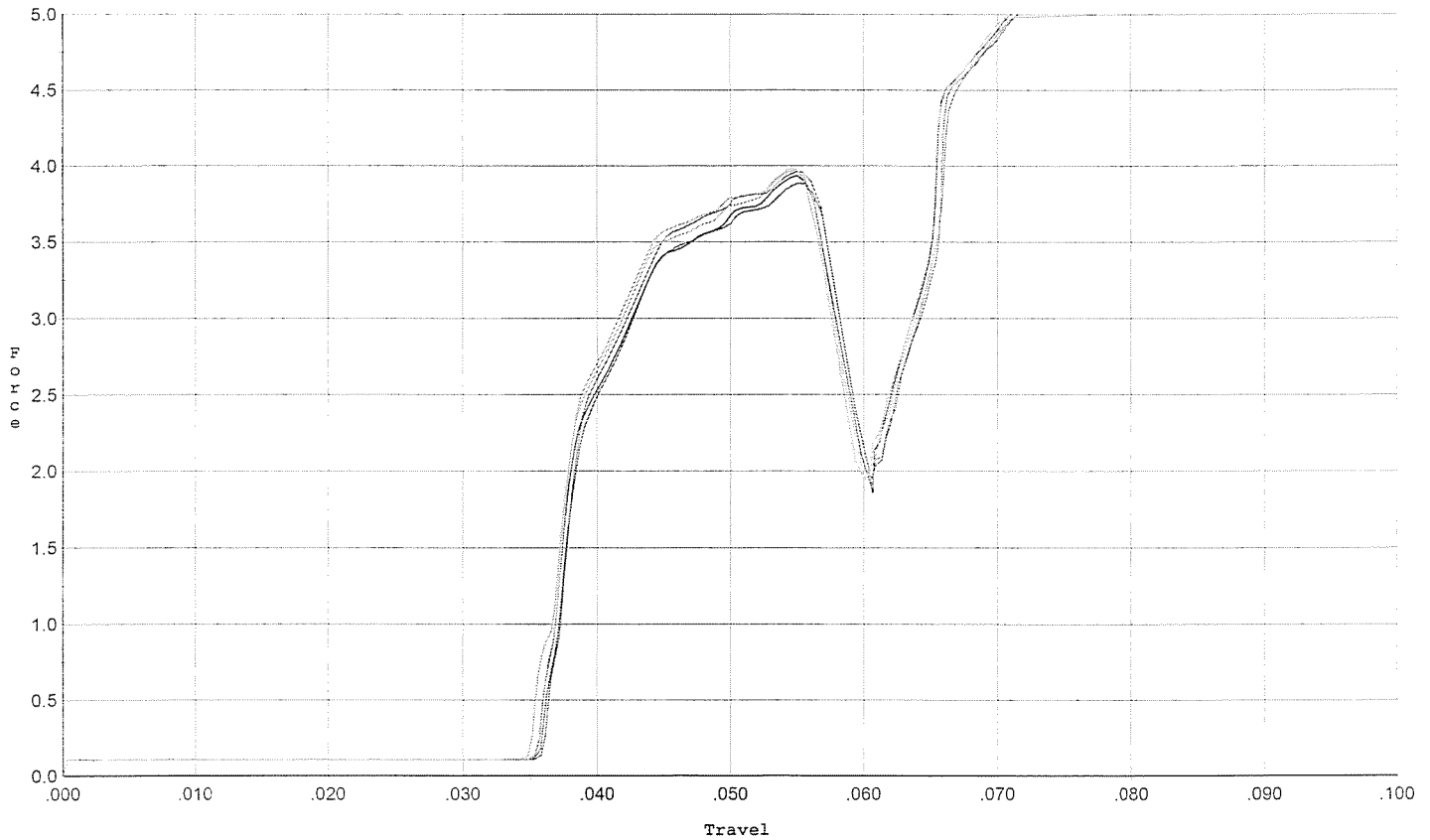
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.209	0.059	0.038	0.025	0.079		Set Trigger
2	4.152	0.058	0.037	0.026	0.076		Set Trigger
3	4.151	0.058	0.037	0.025	0.077		Set Trigger
4	4.089	0.058	0.036	0.025	0.076		Set Trigger
5	4.158	0.057	0.037	0.026	0.078		Set Trigger

Avg 4.15

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/12/07

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



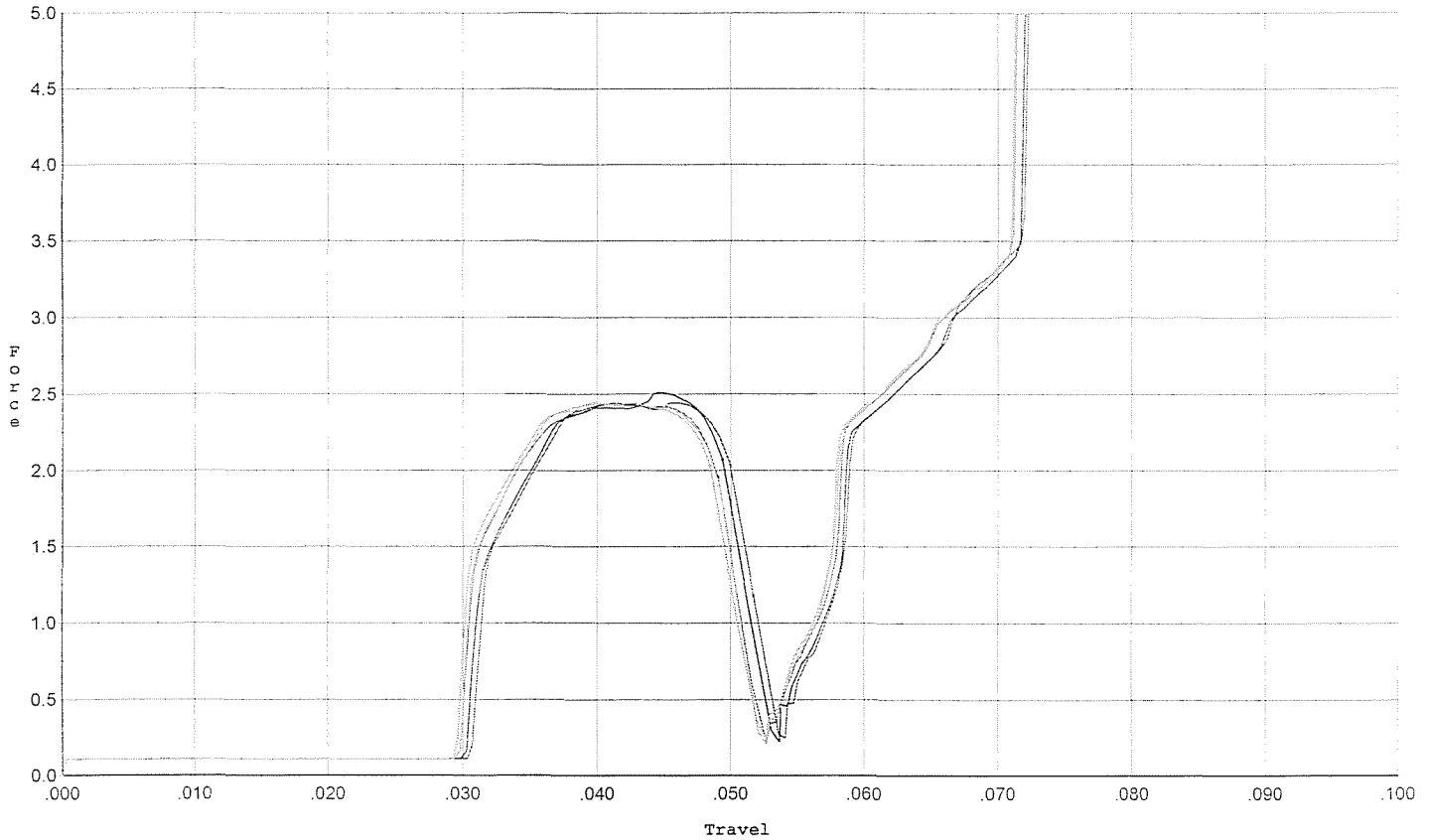
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.886	0.057	0.036	0.025	0.073		Set Trigger
2	3.936	0.056	0.036	0.026	0.072		Set Trigger
3	3.961	0.057	0.036	0.025	0.074		Set Trigger
4	3.980	0.057	0.035	0.025	0.074		Set Trigger
5	3.972	0.056	0.036	0.026	0.074		Set Trigger

AVG 3.94

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/12/07

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



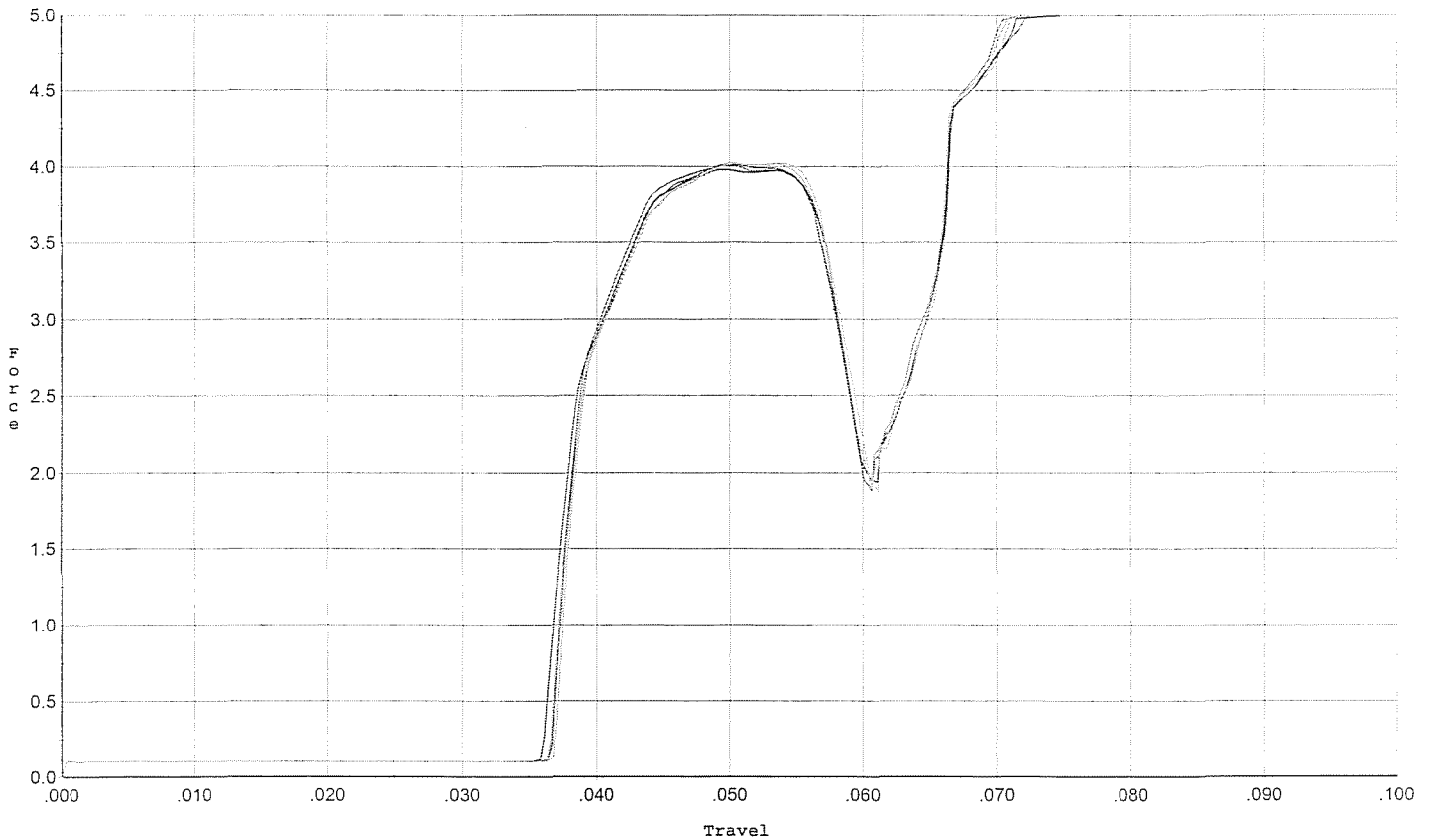
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.445	0.052	0.031	0.028	0.047		Set Trigger
2	2.509	0.049	0.030	0.029	0.045		Set Trigger
3	2.426	0.049	0.030	0.029	0.045		Set Trigger
4	2.445	0.049	0.030	0.029	0.045		Set Trigger
5	2.445	0.048	0.030	0.029	0.045		Set Trigger

Avg 2.45

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 3/12/07

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	4.017	0.058	0.036	0.026	0.080		Set Trigger
2	3.980	0.057	0.037	0.026	0.078		Set Trigger
3	4.006	0.058	0.037	0.026	0.079		Set Trigger
4	4.026	0.057	0.037	0.026	0.077		Set Trigger
5	4.028	0.057	0.037	0.026	0.078		Set Trigger

Avg 4.01

R & E NUMBER	126635		
SERIAL NUMBER	C6587531		
LOG-IN DATE	3-16-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	3-21-07	RTZ
505	RE-BARREL	3-22-07	RTZ
560	ASSEMBLE	3-23-07	RTZ
600	PROOF	3-23-07	TRW
605	CHECK HEADSPACE	INSPECTED	3-23-07 TRW
610	DIS-ASSEMBLE GUN	MAR 26 2007	3-23-07 RTZ
612	MAGNAFLUX	OPERATOR <u>CPD</u>	3-26-07 APD
510	DRILL AND TAP	3-23-07	TRW
615	ROLLMARK CALIBER	3-26-07	CW
618	ROTO-BLAST	3-26-07	CB
620	APPLY COATINGS	3-28-07	WI
625	FINAL ASSEMBLY	4-11-07	RTZ
640	FUNCTION TEST AND	<u>PASS</u> FAIL	4-11-07 non
650	TARGET	<u>PASS</u> FAIL	4-11-07 non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		4/19/07 non
	A) HEADSPACE	<u>PASS</u> FAIL	4/19/07 non
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.32 2.35 2.42 2.54 2.69 4/19/07 non
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6.0 6.25 6.0 4/19/07 non
	G) SAFETY OFF FORCE	2 LBS MIN	3.0 3.25 4.0 4/19/07 non
	I) FIRING PIN INDENT	.020	.024 .023 .023 4/19/07 non
690	PACK		4-23-07 DA

Remington®



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

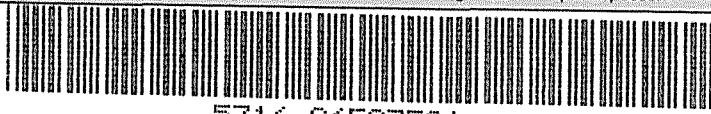
MODEL 700™ M24

SERIAL NO.
C6587531

ORDER NO.
5716

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

01



5716 C6587531

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587531

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/22/90	KH
600	Proof		10/22/90	KH
607	Check Headspace		10/22/90	KH
610	Dis-assemble Gun		10/22/90	KH
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		10/24/90	KR
615	Rollmark Caliber		11	Y.L.
617	Drill and Tap Sight Holes		10/25/90	LB
618	Polish Barrel RB		10/26/90	LB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly		11/8/90	KS
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11-14/90	JA

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	11/13/90	WB		
	G) Safety Off Force	3	3	3	11/13/90	WB		
	H) Trigger Pull Test & Retainability				11-14-90	JM		
	I) Firing Pin Indent	.022	.0215	.0215	11/13/90	WB		
	J) Assemble Stock				11/14/90	KS		
	K) Assemble Swivel Studs				11-27-90	JS		
	L) Attach Front and Rear Sight Assemblies				11/14/90	KS		
	M) Iron Sight Alignment				11/14/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				11/14/90	KS		
	O) Attach Scope to Rifle				11/14/90	KS		
P) Detach & Attach Scope 20 Times				11/14/90	KS			
640	Gallery Target & Test				11/26/90	NE		
	A) Time				"	NE		
	B) Malfunctions				"	NE		
	C) Pierced Primers				"	NE		
	D) Optical Clarity of Scope				"	NE		
645	Inspect for Live Ammo				11/26/90	NE		
655	Final Inspection							
	A) Headspace				11-27-90	JS		
	B) Trigger Pull	294	292	287	278	287	11-27-90	JS
	C) Function						11-27-90	JS
660	Pack						12-18-90	DH

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587531
28 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.498844
1 TO	2	.536691
1 TO	3	.459967
1 TO	4	.701231
1 TO	5	.416923

34 <----POR

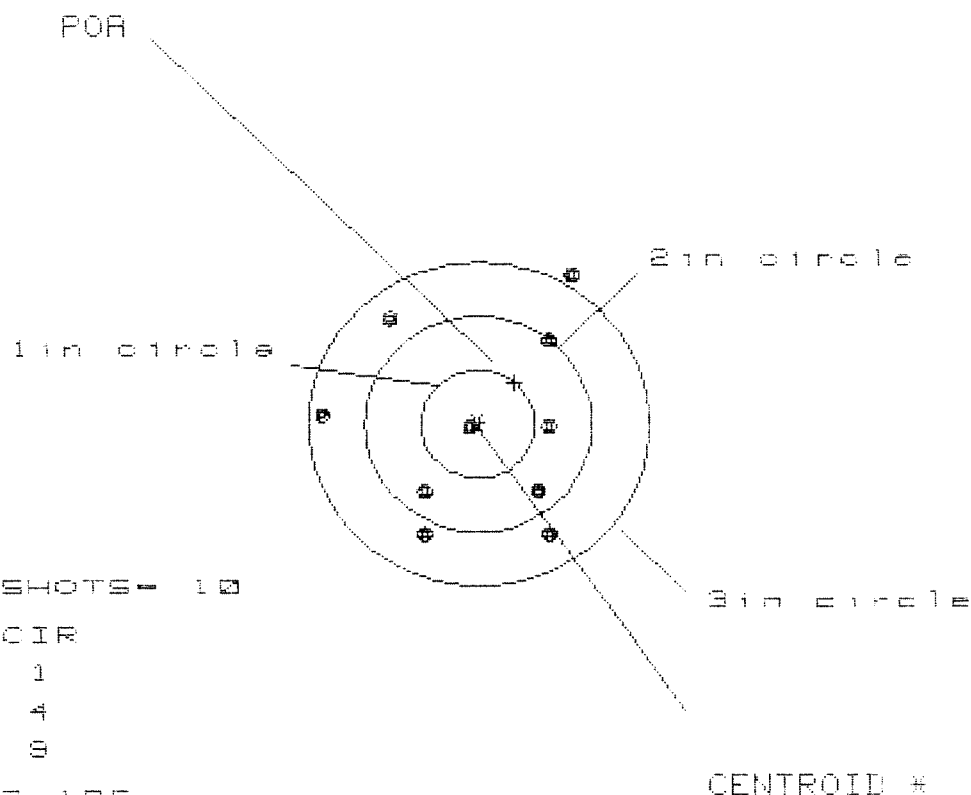
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0378
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1062
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .112727
THE AMR FOR THIS RIFLE IS: .9286

28 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587531.1

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.186

VS= 2.489

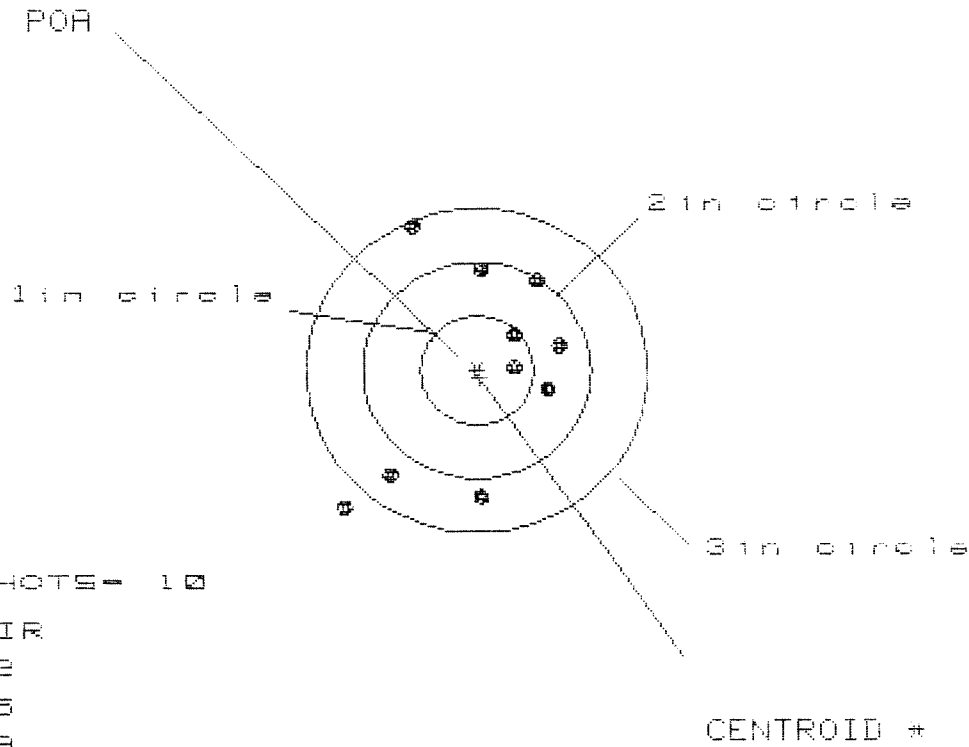
GS= 2.754

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.817	.739	.579
MINIMUM X	:	-1.369	-1.278	-.860
MAXIMUM Y	:	1.408	1.151	1.179
MINIMUM Y	:	-1.061	-.905	-.877
CENTROID X	:	-.322	-.413	-.253
CENTROID Y	:	-.381	-.537	-.565
POA TO CENTROID in.	:	.499	.677	.619
MIN RADIUS	:	.083	.103	.180
MEAN RADIUS	:	.986	.896	.830
MAX RADIUS	:	1.628	1.348	1.459
HORIZONTAL SPREAD	:	2.186	2.017	1.439
VERTICAL SPREAD	:	2.469	2.056	2.056
EXTREME SPREAD	:	2.754	2.510	2.510
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	4		
NUMBER IN THREE INCH CIRCLE =	:	9		

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587531.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 1.922

VS= 2.615

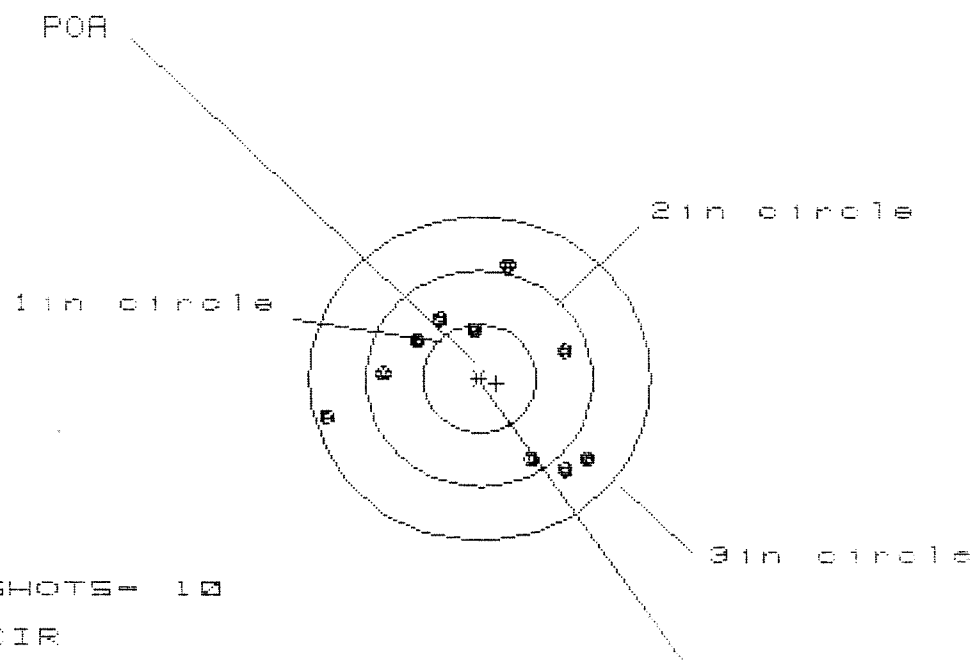
GS= 2.770

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.727	.594	.505
MINIMUM X	:	-1.195	-.905	-.994
MAXIMUM Y	:	1.304	1.158	.909
MINIMUM Y	:	-1.311	-1.349	-1.204
CENTROID X	:	-.028	.105	.194
CENTROID Y	:	.068	.214	.069
POA TO CENTROID in.	:	.074	.238	.206
MIN RADIUS	:	.289	.215	.067
MEAN RADIUS	:	.976	.826	.734
MAX RADIUS	:	1.774	1.443	1.396
HORIZONTAL SPREAD	:	1.922	1.499	1.499
VERTICAL SPREAD	:	2.615	2.507	2.113
EXTREME SPREAD	:	2.770	2.571	2.250
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587531.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.343

VS= 1.907

GS= 2.369

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.968	.816	.708
MINIMUM X	:	-1.375	-1.004	-.902
MAXIMUM Y	:	1.065	1.022	.924
MINIMUM Y	:	-.842	-.885	-.983
CENTROID X	:	-.151	.001	-.100
CENTROID Y	:	.046	.089	.187
POA TO CENTROID in.	:	.158	.089	.212
MIN RADIUS	:	.444	.449	.318
MEAN RADIUS	:	.905	.839	.773
MAX RADIUS	:	1.429	1.129	1.211
HORIZONTAL SPREAD	:	2.343	1.820	1.610
VERTICAL SPREAD	:	1.907	1.907	1.907
EXTREME SPREAD	:	2.369	1.977	1.972
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587531.1

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS= 2.701

VS= 1.479

GS= 2.829

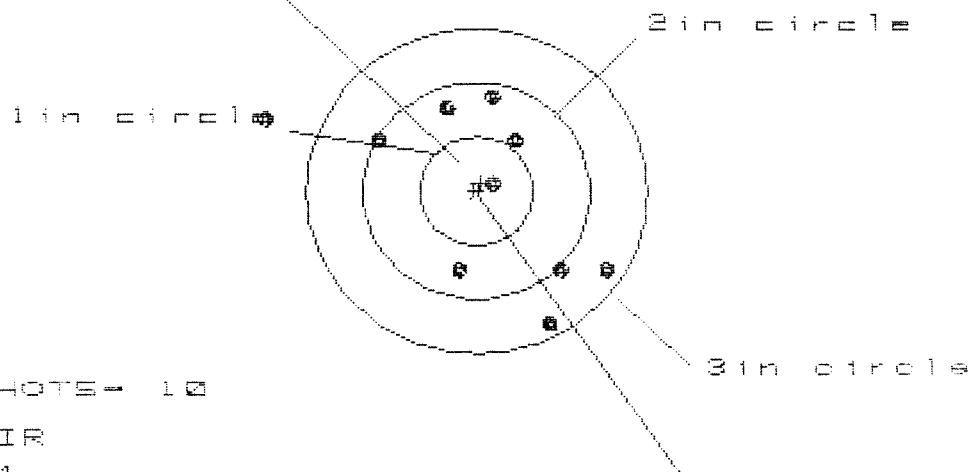
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.561	1.445	.473
MINIMUM X	:	-1.140	-.967	-.786
MAXIMUM Y	:	.676	.592	.495
MINIMUM Y	:	-.803	-.887	-.813
CENTROID X	:	.353	.180	-.001
CENTROID Y	:	-.191	-.107	-.181
POA TO CENTROID in.	:	.402	.209	.181
MIN RADIUS	:	.059	.212	.351
MEAN RADIUS	:	.795	.695	.605
MAX RADIUS	:	1.735	1.561	1.131
HORIZONTAL SPREAD	:	2.701	2.412	1.259
VERTICAL SPREAD	:	1.479	1.479	1.308
EXTREME SPREAD	:	2.829	2.829	1.796
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587531.1

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 3.013

VS= 2.137

GS= 3.302

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.155
MINIMUM X	-1.858
MAXIMUM Y	.916
MINIMUM Y	-1.221
CENTROID X	-.041
CENTROID Y	-.073
POA TO CENTROID in.	.084
MIN RADIUS	.137
MEAN RADIUS	.981
MAX RADIUS	1.960
HORIZONTAL SPREAD	3.013
VERTICAL SPREAD	2.137
EXTREME SPREAD	3.302
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587531
27 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.0781025
1 TO	2	.339978
1 TO	3	.211854
1 TO	4	.164648
1 TO	5	.397554

2⁵₃

<----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1288
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0242
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .131054
THE AMR FOR THIS RIFLE IS: 1.424

27 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587531

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 2

3in = 4

HS = 4.389

VS = 3.256

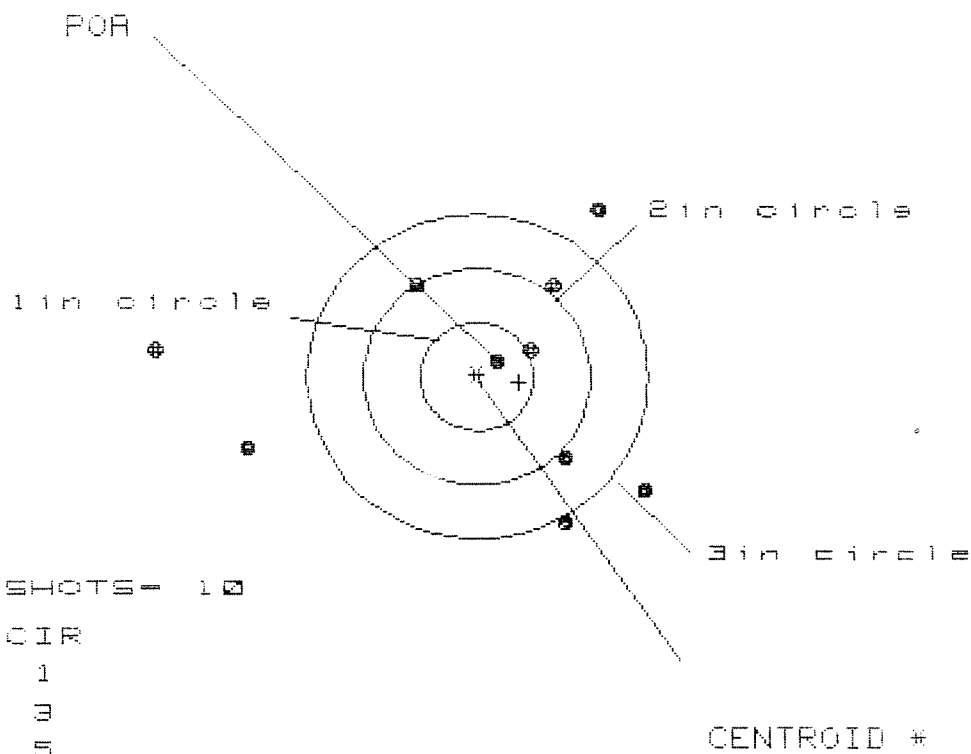
GS = 4.456

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.634	1.503	1.362
MINIMUM X	-1.755	-1.463	-1.604
MAXIMUM Y	1.782	1.674	1.476
MINIMUM Y	-1.474	-1.582	-1.646
CENTROID X	-.050	-.342	-.201
CENTROID Y	-.060	.048	.246
POA TO CENTROID in.	.077	.346	.318
MIN RADIUS	.188	.477	.529
MEAN RADIUS	1.514	1.375	1.309
MAX RADIUS	2.807	2.010	1.774
HORIZONTAL SPREAD	4.389	2.966	2.966
VERTICAL SPREAD	3.256	3.256	3.122
EXTREME SPREAD	4.456	3.928	3.390
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	4		

27 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587531

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 5

HS= 4.275

VS= 2.913

GS= 4.454

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.462	1.149	.861
MINIMUM X	:	-2.813	-2.301	-1.147
MAXIMUM Y	:	1.522	1.550	1.467
MINIMUM Y	:	-1.391	-1.363	-1.446
CENTROID X	:	-.371	-.058	.230
CENTROID Y	:	.052	.024	.107
POA TO CENTROID in.	:	.374	.063	.253
MIN RADIUS	:	.196	.216	.266
MEAN RADIUS	:	1.394	1.171	.998
MAX RADIUS	:	2.824	2.393	1.555
HORIZONTAL SPREAD	:	4.275	3.450	2.008
VERTICAL SPREAD	:	2.913	2.913	2.913
EXTREME SPREAD	:	4.454	3.809	2.931
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		5	

27 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587531

CENTERFIRE PATTERNS

3

POB

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 6

HS= 3.486

VS= 2.388

GS= 3.518

CENTROID *

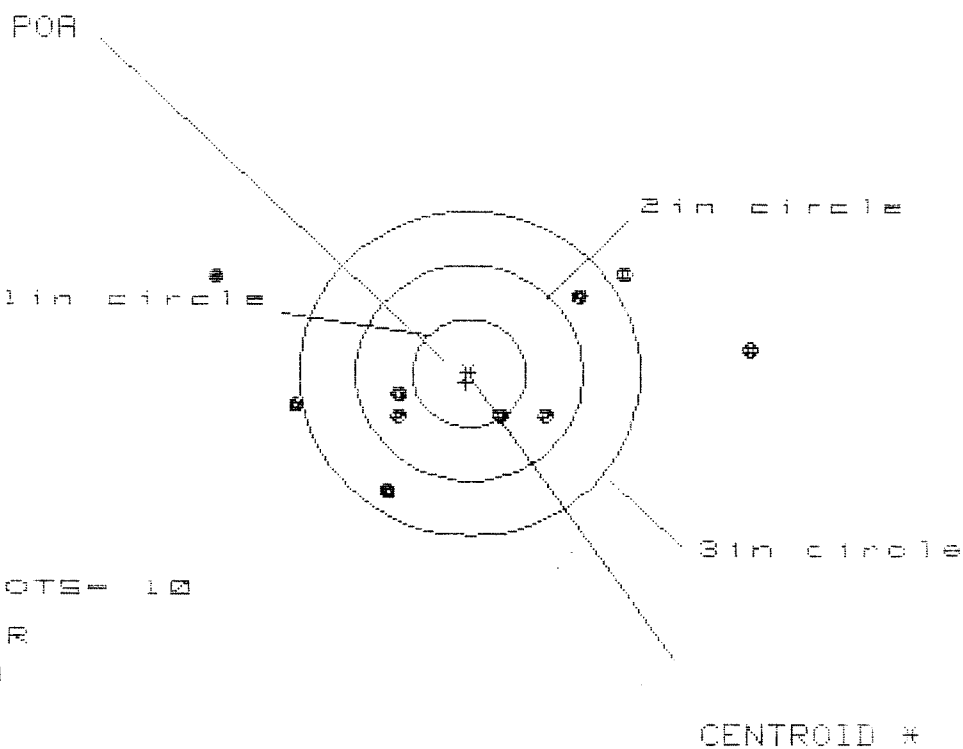
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.544	1.328	1.082
MINIMUM X	:	-1.942	-1.968	-1.799
MAXIMUM Y	:	1.291	1.354	1.299
MINIMUM Y	:	-1.097	-1.034	-1.089
CENTROID X	:	-.069	.147	.393
CENTROID Y	:	-.271	-.334	-.279
POB TO CENTROID in.	:	.280	.364	.482
MIN RADIUS	:	.304	.331	.336
MEAN RADIUS	:	1.198	1.081	.955
MAX RADIUS	:	2.022	2.016	1.421
HORIZONTAL SPREAD	:	3.486	3.296	1.881
VERTICAL SPREAD	:	2.388	2.388	2.388
EXTREME SPREAD	:	3.518	3.464	2.555
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

27 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587531

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HS= 4.622

VS= 1.985

GS= 4.666

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.433	1.600	1.360
MINIMUM X	-2.189	-1.918	-1.471
MAXIMUM Y	.893	.920	1.027
MINIMUM Y	-1.092	-1.065	-.949
CENTROID X	.028	-.242	-.002
CENTROID Y	.085	.058	-.057
POA TO CENTROID in.	.090	.249	.058
MIN RADIUS	.530	.411	.448
MEAN RADIUS	1.330	1.176	1.034
MAX RADIUS	2.446	2.128	1.705
HORIZONTAL SPREAD	4.622	3.518	2.831
VERTICAL SPREAD	1.985	1.985	1.977
EXTREME SPREAD	4.666	3.518	3.082
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

27 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587531

CENTERFIRE PATTERNS # 5

POR

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 5.578

VS= 3.930

GS= 6.386

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.972	1.572	1.323
MINIMUM X	:	-3.606	-2.004	-1.808
MAXIMUM Y	:	2.146	2.039	2.284
MINIMUM Y	:	-1.784	-1.891	-1.636
CENTROID X	:	-.182	.218	.022
CENTROID Y	:	.315	.422	.167
POR TO CENTROID in.	:	.364	.475	.168
MIN RADIUS	:	.203	.377	.130
MEAN RADIUS	:	1.683	1.387	1.209
MAX RADIUS	:	3.732	2.756	2.483
HORIZONTAL SPREAD	:	5.578	3.576	3.131
VERTICAL SPREAD	:	3.930	3.930	3.920
EXTREME SPREAD	:	6.386	5.313	4.807
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CL587531

DATE 11-14-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.24	2.33	294	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.41	2.33	292	
PULL #3	2.50	2.29	2.31	287	
PULL #4	2.45	2.35	2.33	278	
PULL #5	2.38	2.33	2.23	287	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.33		
PULL #2	3.27	3.27		
PULL #3	3.24	3.26		
PULL #4	3.23	3.25		
PULL #5	3.28	3.28		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.34		4.41
PULL #2	4.30	4.40		4.43
PULL #3	4.30	4.31		4.45
PULL #4	4.32	4.39		4.49
PULL #5	4.41	4.38		4.47
TOTAL				
AVG.				