

06594530

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00127462**

Serial: C6594530 Model M24 SWS Center Fire
Caliber: 308 WIN

Repairman:

Status: Closed 3/30/2007 10:25:17 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From
Name: CO C1ST / 20TH S.F.G.
Address 1: MASSACHUSETTS ARMY NATIONAL GUARD
Address 2: 1505 ROOSEVELT AVENUE PO Box:
City: SPRINGFIELD
State: MA Zip Code: 01109-2438 Country: US
State: MA Zip Code: 01109-2438 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
A045	Bi Pod	1
B000	FRONT/REAR BASE	1
B001	SCOPE CASE	1

Repair Search

Refresh

Close

nagletj

3/30/2007

11:13 AM

CAPS

NUM

INS

SCRL

start

41

P...

A...

R...

61

5...

M...

E...

11:13 AM

Serial Number: **C6594530**

Model: **M24 SWS**



RE00127462

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594530.___0
FILE DATE AND TIME: 05/08/2007 13:12

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.199
The Average Y Centroid of the Five Target Set:	-0.082
The Average Point of Impact of the Five Target Set:	0.215
The Average Mean Radius of the Five Target Set:	0.752
The Distance from POA to Centroid Target #1:	0.992
The Distance from Centroid Target #2 to Centroid Target #1:	1.046
The Distance from Centroid Target #3 to Centroid Target #1:	0.954
The Distance from Centroid Target #4 to Centroid Target #1:	1.009
The Distance from Centroid Target #5 to Centroid Target #1:	0.969

SERIAL NUMBER: C6594530. 0

TARGET NUMBER: 1

FILE DATE: 05/08/2007

FILE TIME: 13:12

X CENTROID: 0.985

Y CENTROID: -0.119

POA TO CENTROID: 0.992

HORZ SPREAD: 3.886

VERT SPREAD: 2.097

GROUP SPREAD: 4.229

MIN RADIUS: 0.275

MAX RADIUS: 2.638

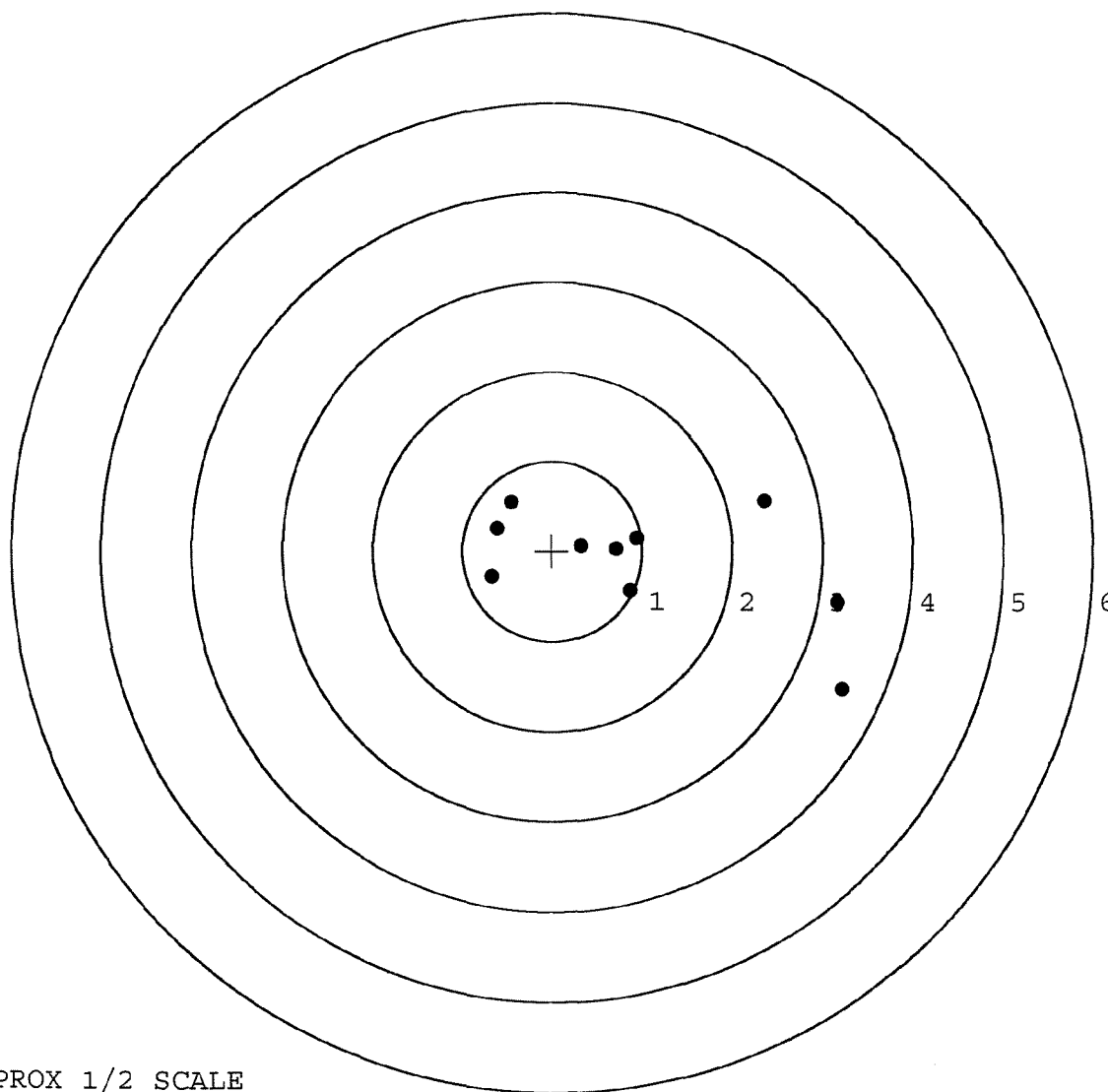
MEAN RADIUS: 1.288

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 4

POINT#	X	Y
1:	0.871	-0.434
2:	0.939	0.152
3:	0.333	0.061
4:	-0.454	0.540
5:	-0.620	0.253
6:	-0.668	-0.289
7:	0.718	0.032
8:	3.161	-0.556
9:	2.353	0.573
10:	3.218	-1.524



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594530. 0

TARGET NUMBER: 2

FILE DATE: 05/08/2007

FILE TIME: 13:12

X CENTROID: -0.056

Y CENTROID: -0.017

POA TO CENTROID: 0.059

HORZ SPREAD: 1.593

VERT SPREAD: 1.972

GROUP SPREAD: 2.230

MIN RADIUS: 0.110

MAX RADIUS: 1.324

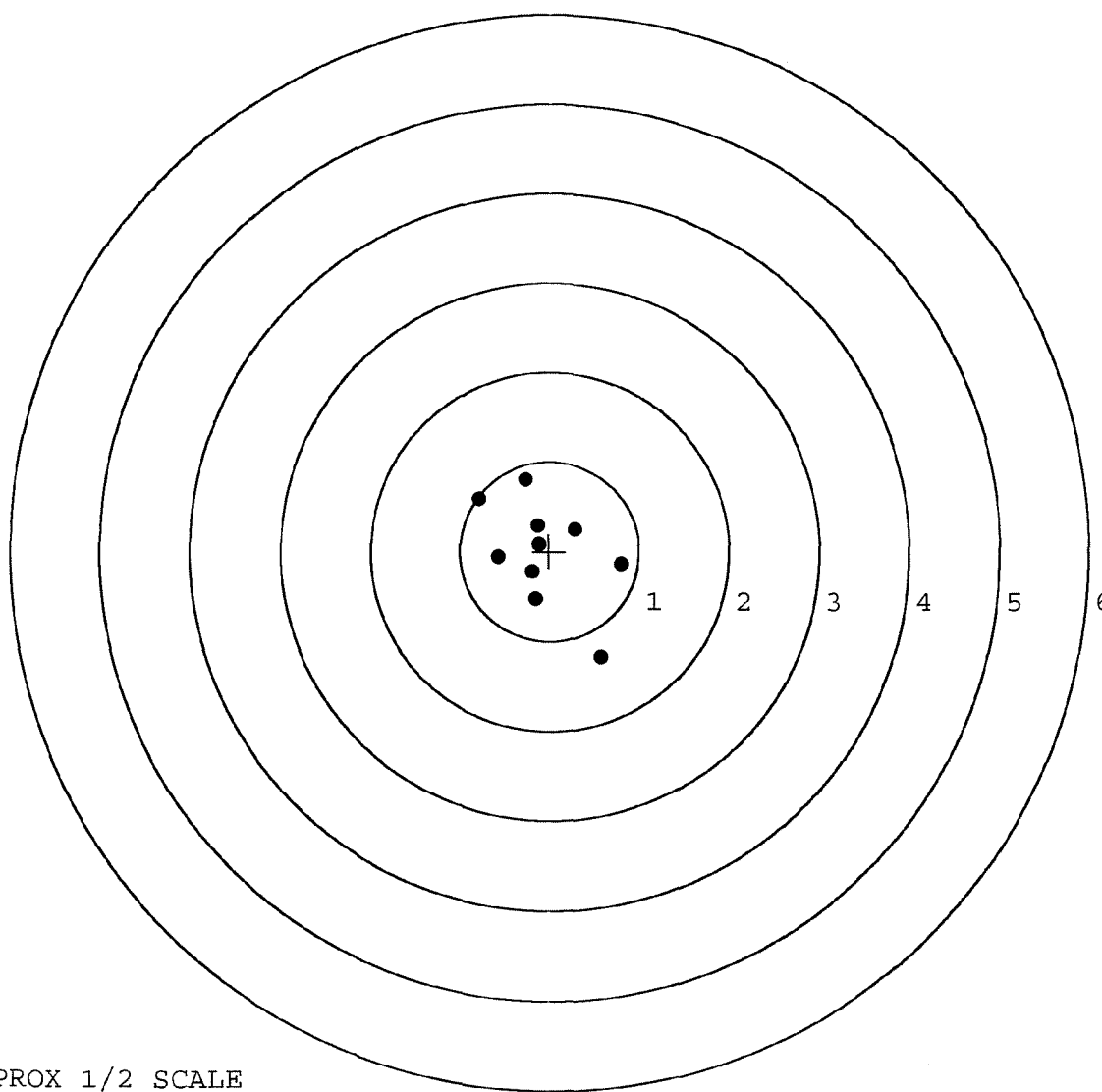
MEAN RADIUS: 0.613

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.582	-1.177
2:	0.803	-0.144
3:	-0.160	-0.540
4:	-0.190	-0.231
5:	-0.569	-0.061
6:	0.286	0.243
7:	-0.140	0.285
8:	-0.115	0.075
9:	-0.267	0.795
10:	-0.790	0.581



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594530. __0

TARGET NUMBER: 3

FILE DATE: 05/08/2007

FILE TIME: 13:12

X CENTROID: 0.031

Y CENTROID: -0.146

POA TO CENTROID: 0.149

HORZ SPREAD: 0.903

VERT SPREAD: 1.724

GROUP SPREAD: 1.734

MIN RADIUS: 0.138

MAX RADIUS: 0.924

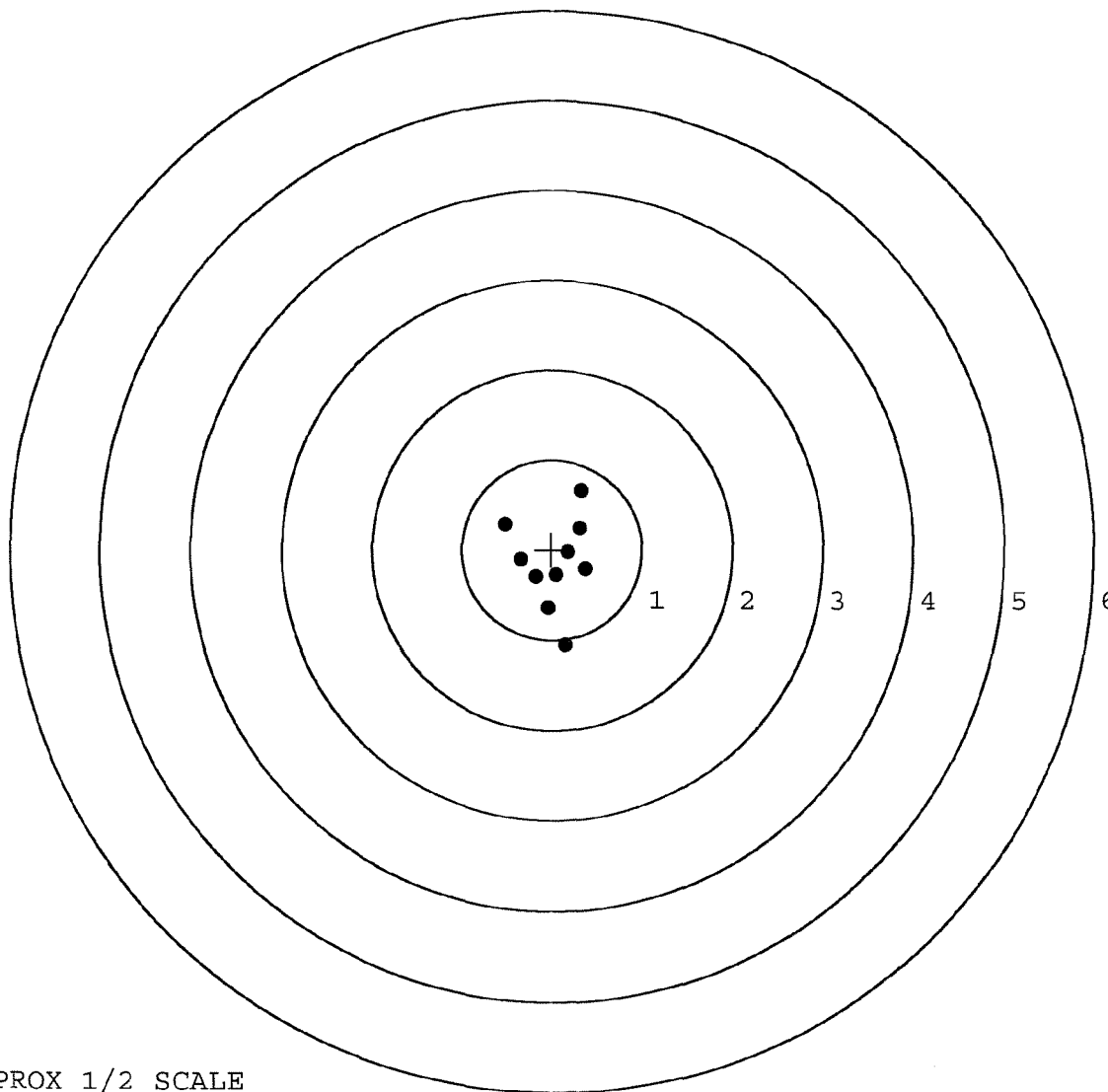
MEAN RADIUS: 0.479

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.151	-1.062
2:	-0.043	-0.648
3:	0.379	-0.210
4:	0.307	0.245
5:	0.333	0.662
6:	0.183	-0.032
7:	-0.180	-0.302
8:	-0.341	-0.111
9:	-0.524	0.283
10:	0.047	-0.283



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594530. __0

TARGET NUMBER: 4

FILE DATE: 05/08/2007

FILE TIME: 13:12

POINT#	X	Y
1:	0.613	-0.738
2:	0.025	-0.655
3:	0.200	-0.195
4:	0.028	-0.181
5:	-0.524	0.321
6:	-0.030	0.240
7:	0.214	0.625
8:	0.025	1.655
9:	-0.363	0.270
10:	-0.106	0.000

X CENTROID: 0.008

Y CENTROID: 0.134

POA TO CENTROID: 0.134

HORZ SPREAD: 1.137

VERT SPREAD: 2.393

GROUP SPREAD: 2.464

MIN RADIUS: 0.112

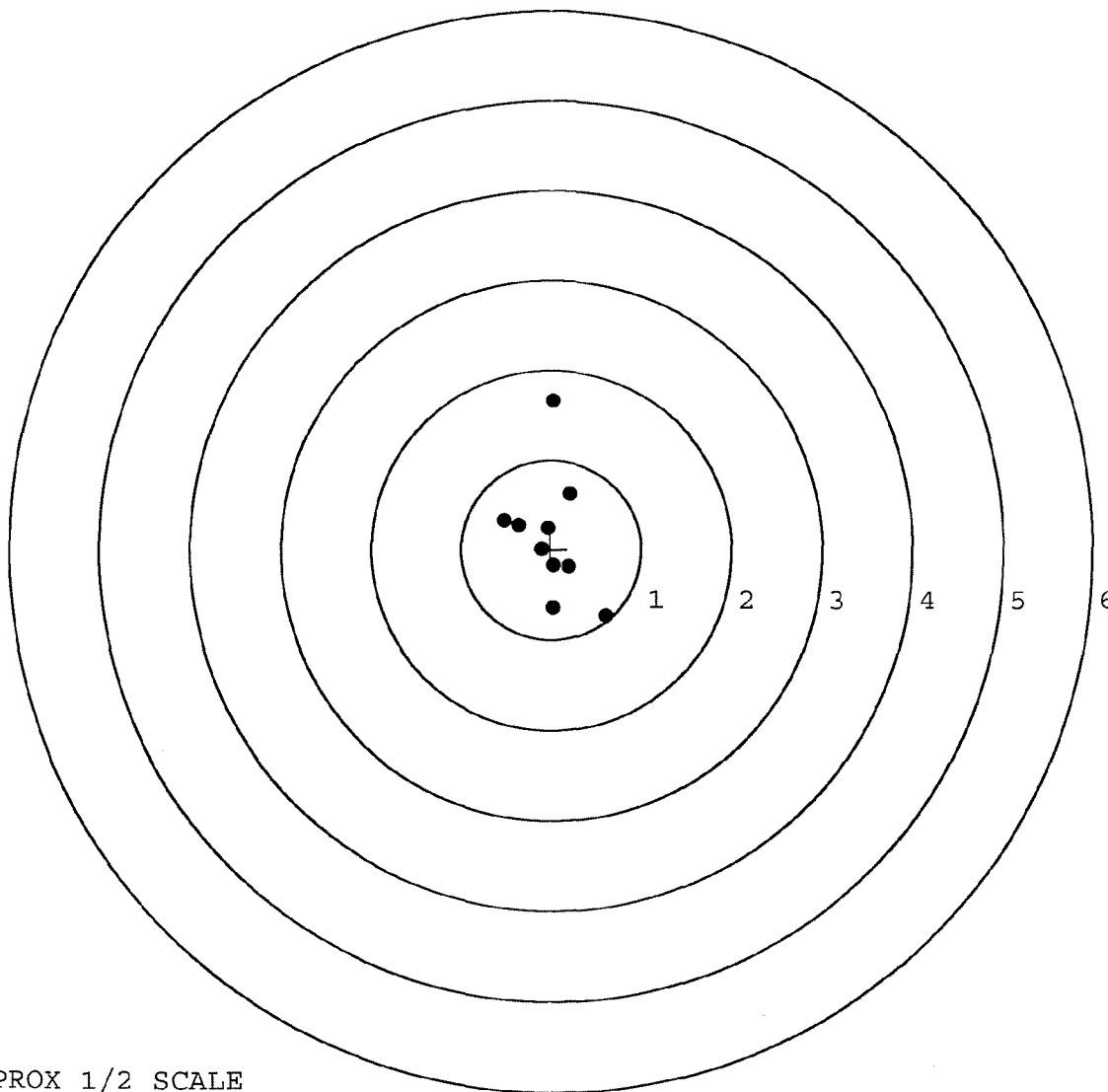
MAX RADIUS: 1.521

MEAN RADIUS: 0.585

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

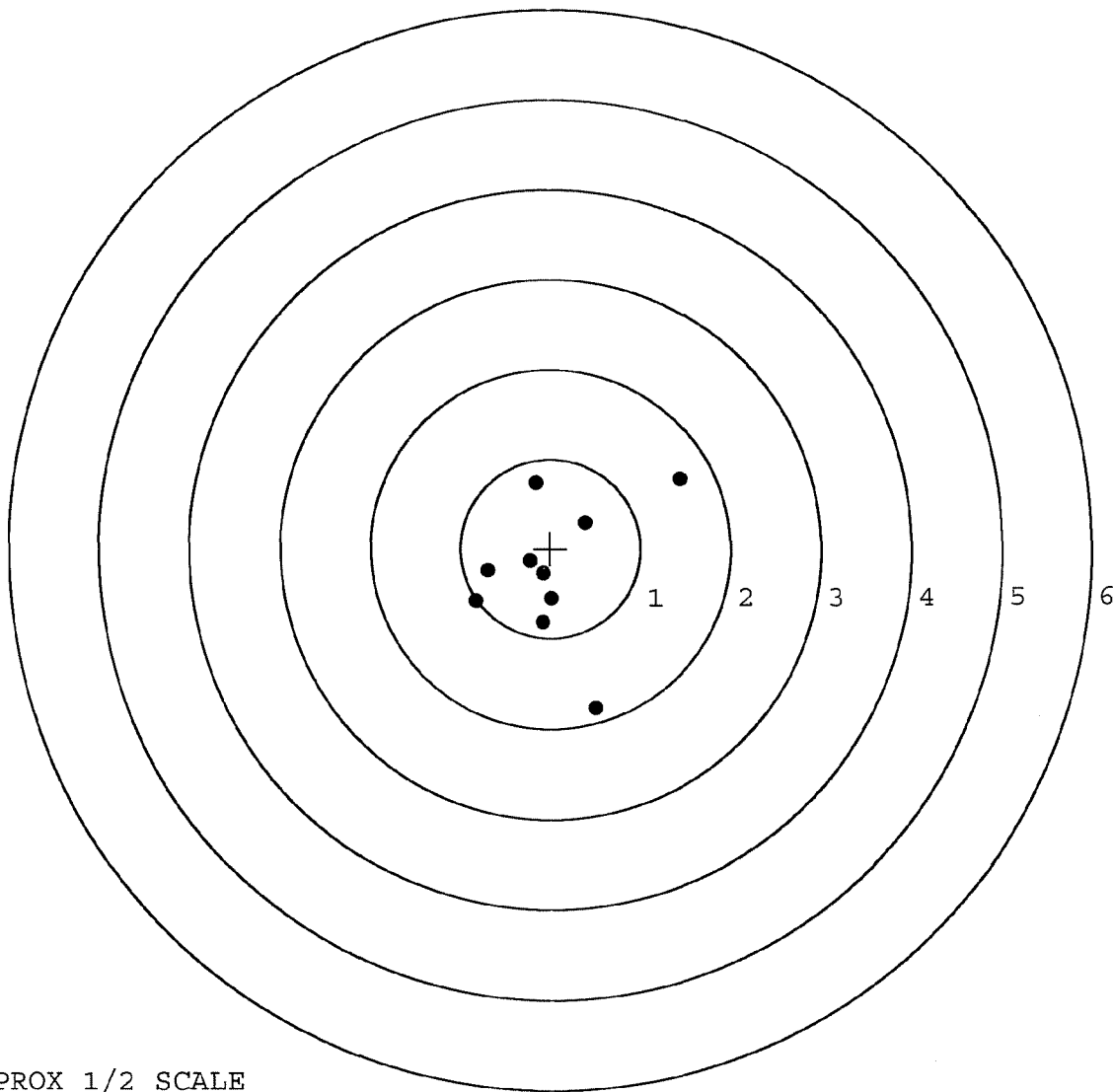


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594530.___0
TARGET NUMBER: 5
FILE DATE: 05/08/2007
FILE TIME: 13:12

X CENTROID: 0.027
Y CENTROID: -0.262
POA TO CENTROID: 0.263
HORZ SPREAD: 2.270
VERT SPREAD: 2.561
GROUP SPREAD: 2.727
MIN RADIUS: 0.111
MAX RADIUS: 1.760
MEAN RADIUS: 0.795
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.504	-1.775
2:	1.440	0.786
3:	0.396	0.292
4:	-0.154	0.737
5:	-0.830	-0.592
6:	-0.696	-0.250
7:	-0.233	-0.140
8:	-0.082	-0.285
9:	0.010	-0.561
10:	-0.088	-0.833

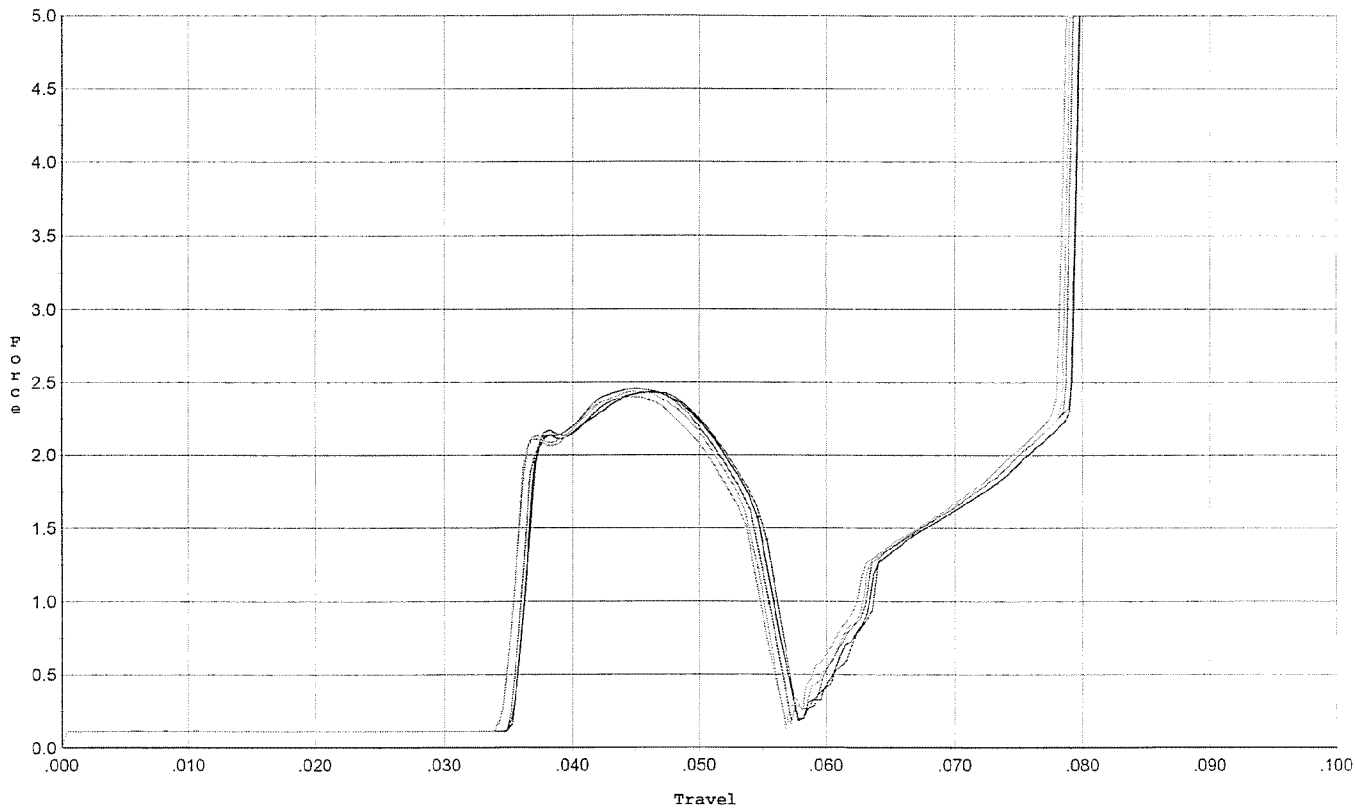


TARGET APPROX 1/2 SCALE

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 4/17/07

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



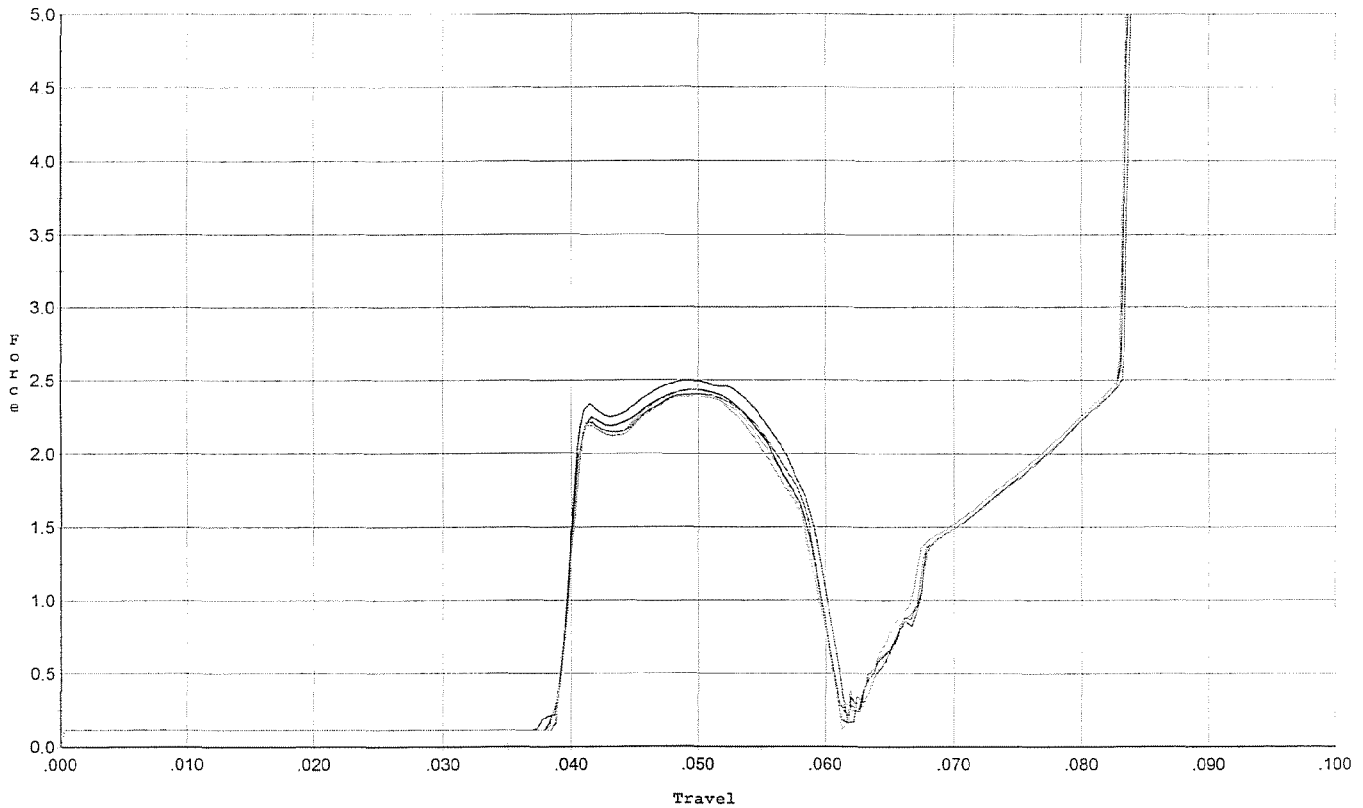
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.432	0.055	0.035	0.032	0.046		Set Trigger
2	2.430	0.055	0.035	0.032	0.045		Set Trigger
3	2.456	0.055	0.035	0.032	0.046		Set Trigger
4	2.439	0.055	0.034	0.032	0.045		Set Trigger
5	2.397	0.054	0.034	0.032	0.044		Set Trigger

AVG 2.43

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 4/17/07

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



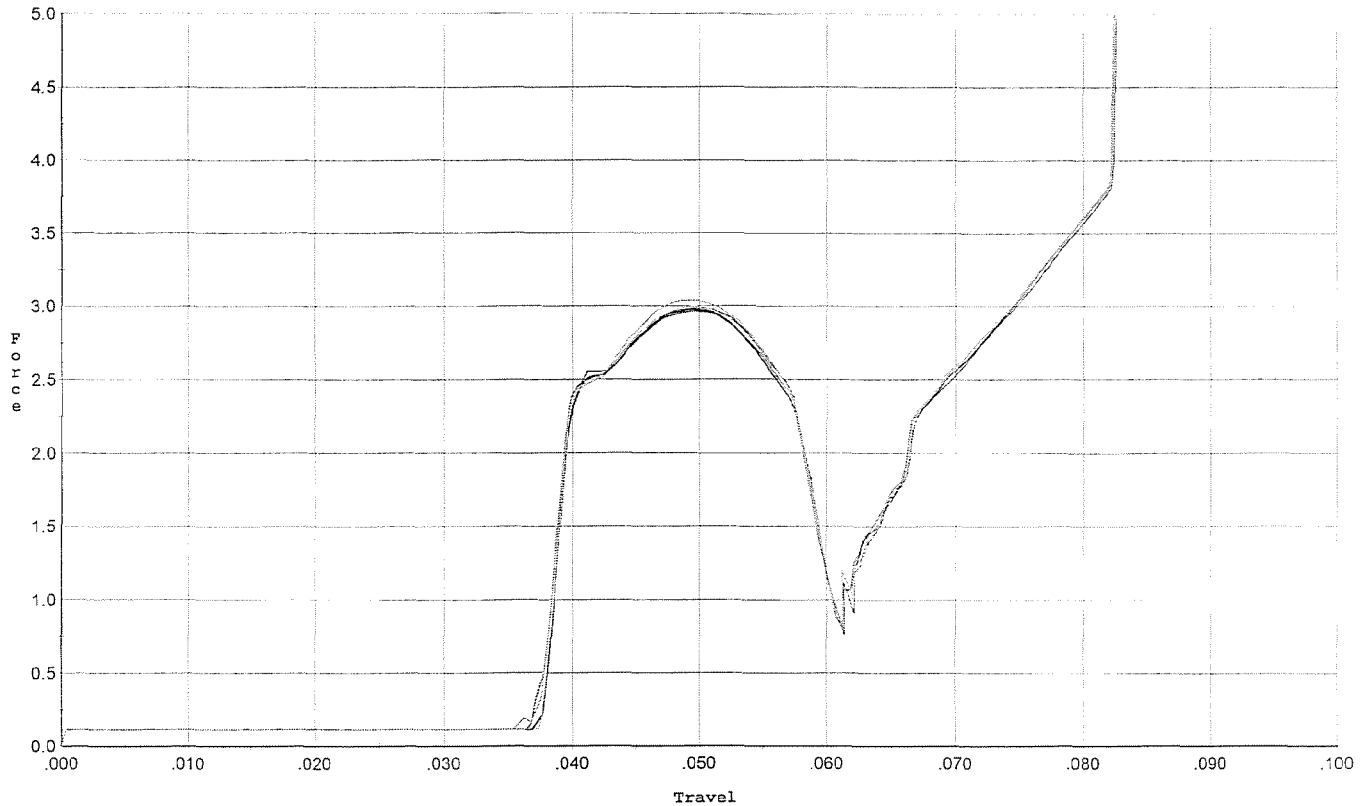
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.494	0.059	0.038	0.032	0.049		Set Trigger
2	2.434	0.059	0.039	0.032	0.047		Set Trigger
3	2.401	0.059	0.039	0.032	0.046		Set Trigger
4	2.391	0.059	0.039	0.032	0.046		Set Trigger
5	2.436	0.059	0.039	0.032	0.046		Set Trigger

AVG 2.43

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 4/17/07

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



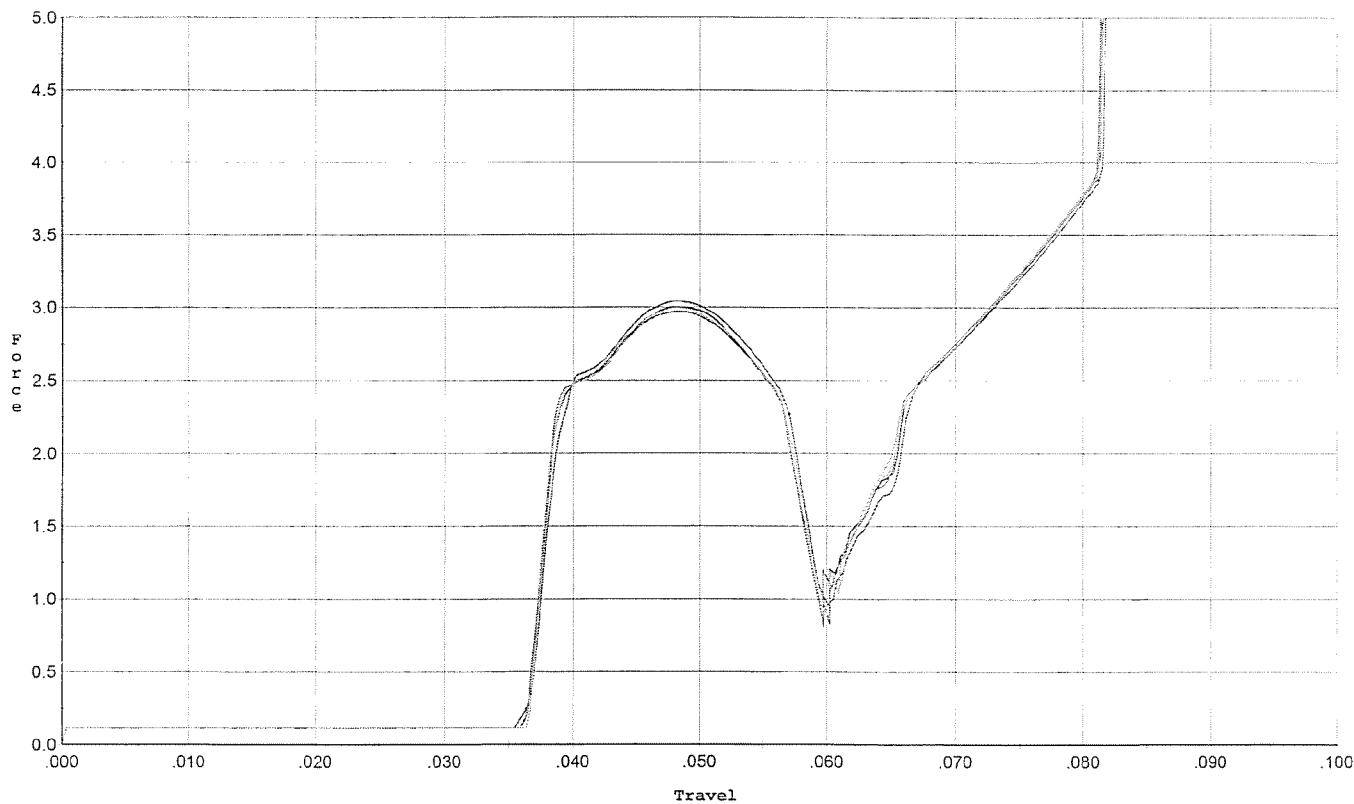
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.966	0.059	0.038	0.031	0.058		Set Trigger
2	2.978	0.058	0.037	0.031	0.056		Set Trigger
3	2.986	0.057	0.037	0.031	0.057		Set Trigger
4	2.999	0.057	0.038	0.031	0.057		Set Trigger
5	3.041	0.059	0.037	0.030	0.060		Set Trigger

AVG 2.99

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 4/17/07

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



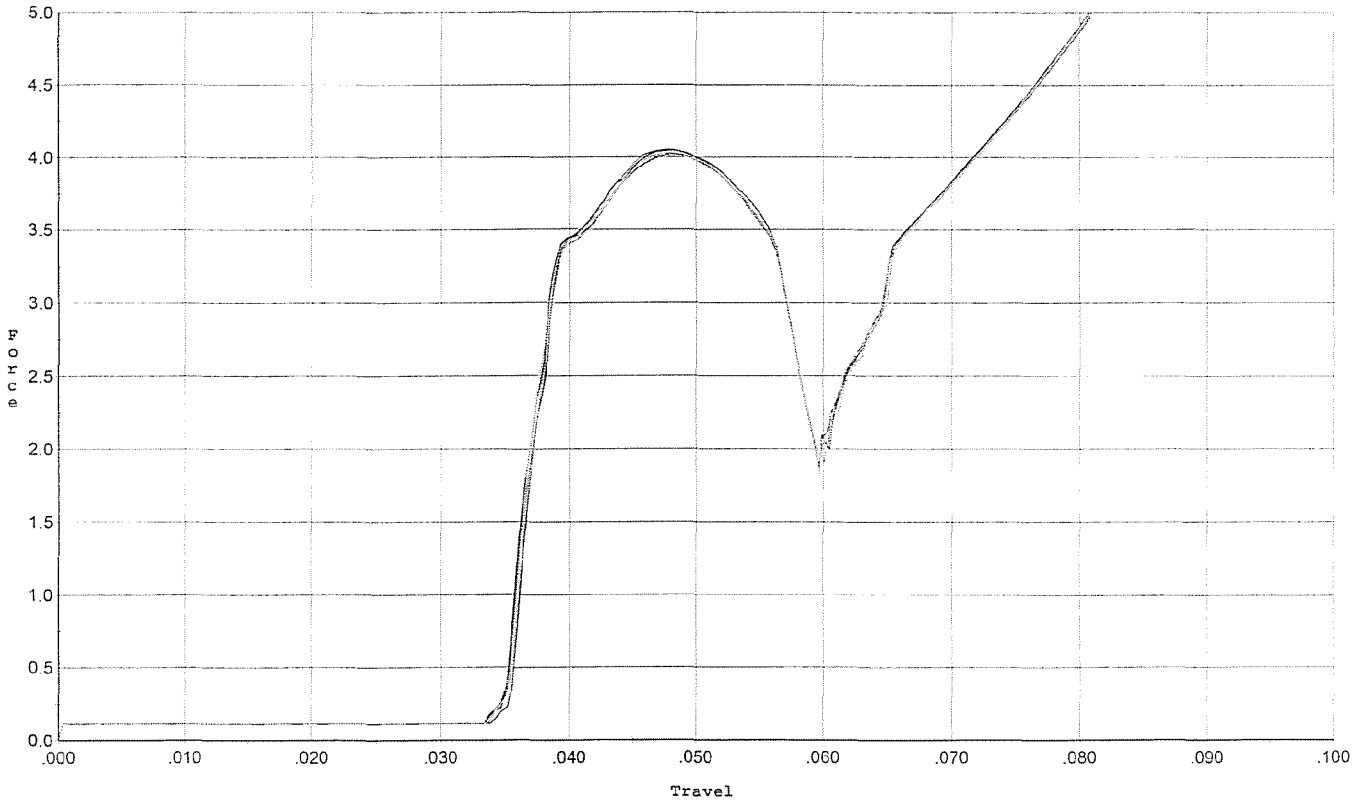
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.044	0.057	0.036	0.031	0.058		Set Trigger
2	3.001	0.056	0.036	0.031	0.057		Set Trigger
3	2.971	0.056	0.036	0.031	0.057		Set Trigger
4	2.972	0.058	0.037	0.030	0.058		Set Trigger
5	3.001	0.056	0.036	0.031	0.057		Set Trigger

AVG 2.99

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 4/17/07

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



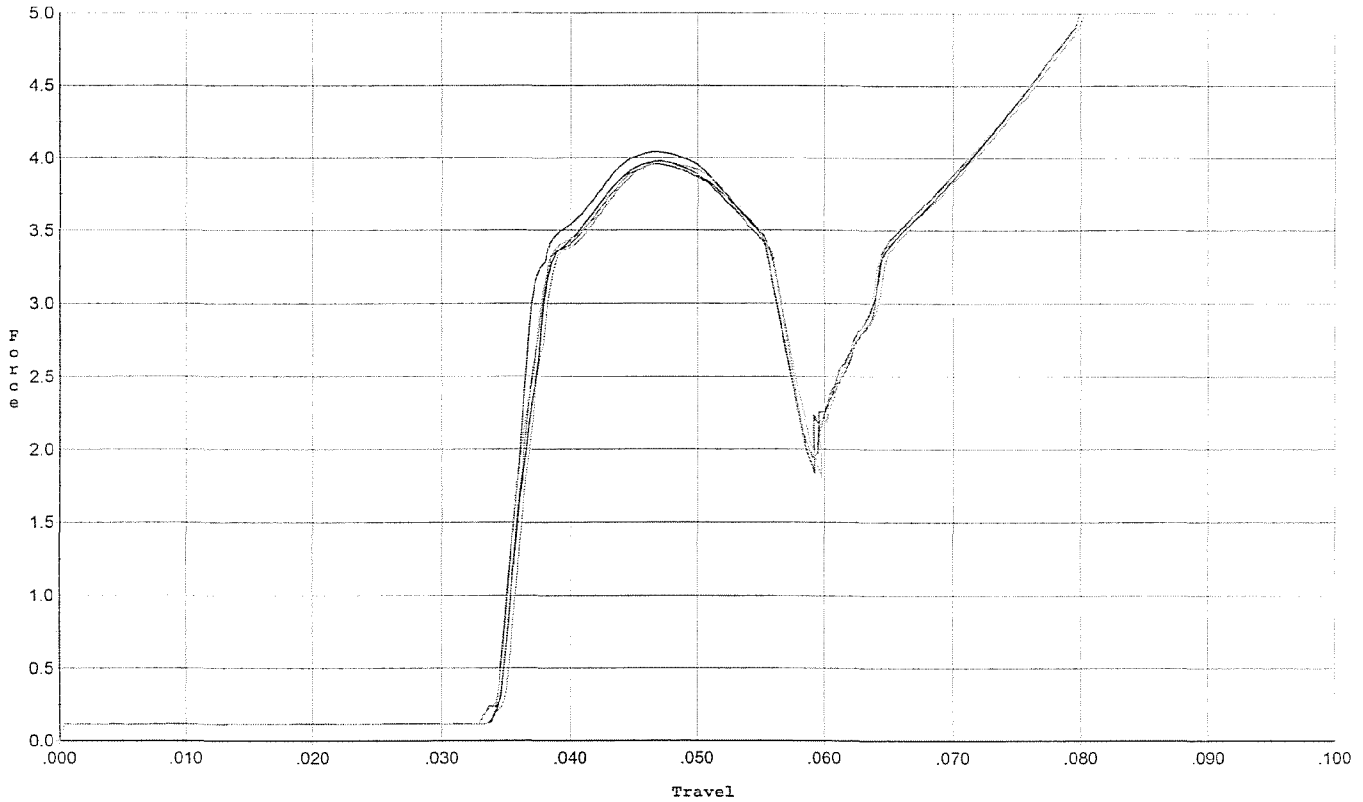
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.020	0.056	0.035	0.029	0.079		Set Trigger
2	4.045	0.056	0.035	0.029	0.080		Set Trigger
3	4.053	0.056	0.034	0.029	0.080		Set Trigger
4	4.023	0.056	0.034	0.029	0.080		Set Trigger
5	4.028	0.056	0.034	0.029	0.079		Set Trigger

AVG 4.03

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 4/17/07

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



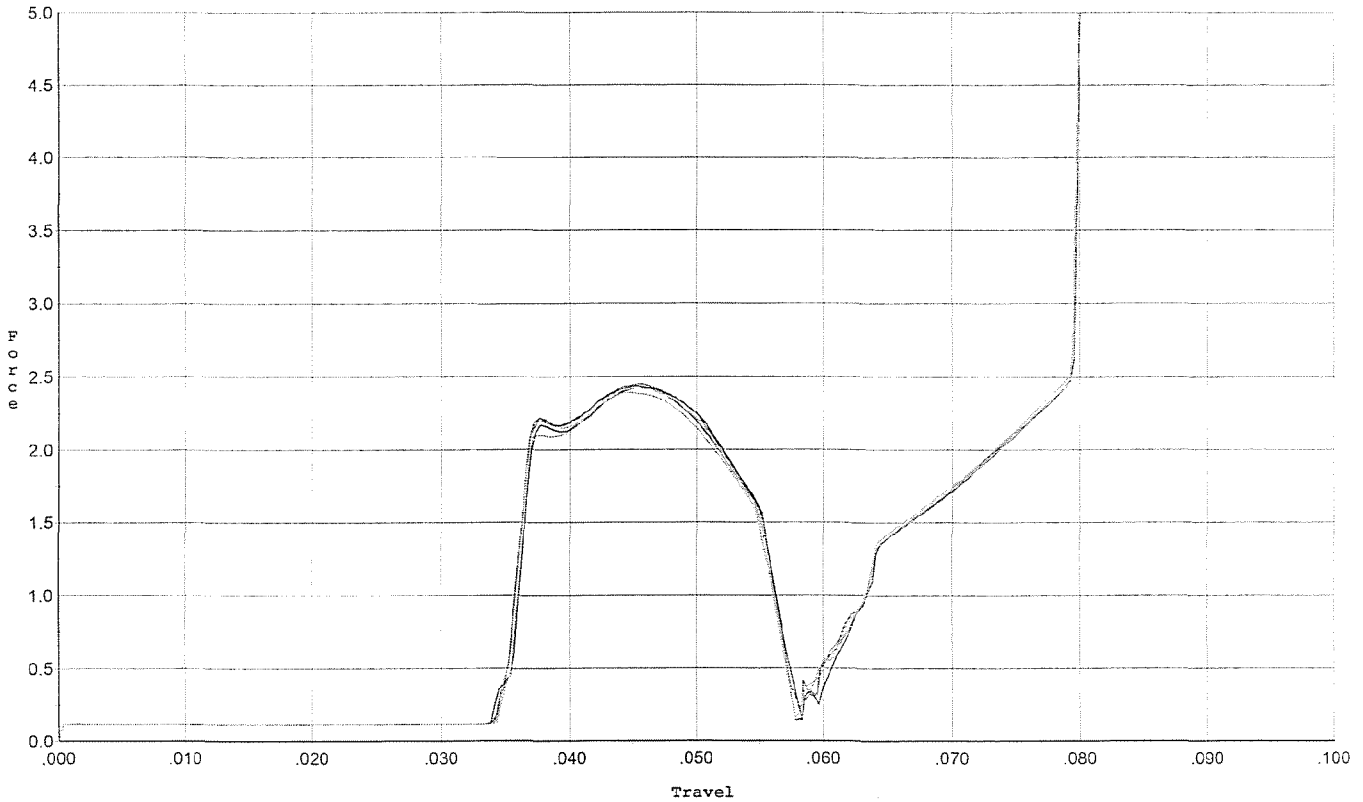
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.040	0.055	0.033	0.029	0.080		Set Trigger
2	3.979	0.056	0.034	0.028	0.079		Set Trigger
3	3.957	0.057	0.034	0.028	0.080		Set Trigger
4	3.969	0.056	0.034	0.029	0.078		Set Trigger
5	3.972	0.056	0.033	0.028	0.080		Set Trigger

Avg 398

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 4/17/07

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



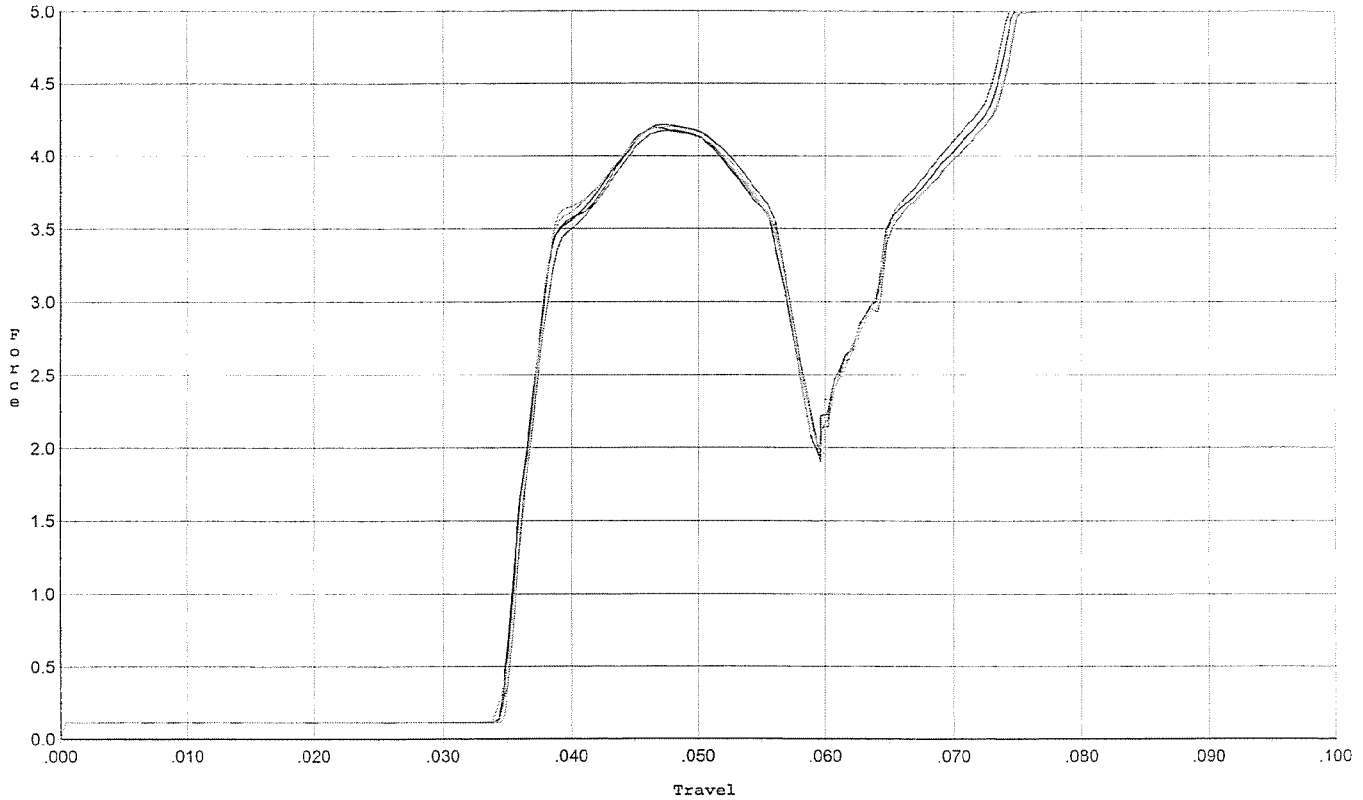
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.436	0.055	0.034	0.032	0.047		Set Trigger
2	2.425	0.055	0.034	0.032	0.046		Set Trigger
3	2.447	0.055	0.035	0.032	0.047		Set Trigger
4	2.420	0.055	0.035	0.032	0.046		Set Trigger
5	2.390	0.056	0.035	0.032	0.046		Set Trigger

AVG 2.42

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 4/17/07

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	4.214	0.056	0.035	0.024	0.083		Set Trigger
2	4.193	0.057	0.035	0.024	0.084		Set Trigger
3	4.173	0.056	0.035	0.024	0.082		Set Trigger
4	4.201	0.056	0.034	0.024	0.083		Set Trigger
5	4.210	0.056	0.035	0.024	0.083		Set Trigger

AVG 4.19

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

R & E NUMBER	127462		
SERIAL NUMBER	C6594530		
LOG-IN DATE	3-30-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-18-07	RTZ
505	RE-BARREL	4-20-07	TRW
560	ASSEMBLE	4-19-07	TRW
600	PROOF	4-19-07	TRW
605	CHECK HEADSPACE	4-19-07	TRW
610	DIS-ASSEMBLE GUN	4-20-07	RTZ
612	MAGNAFLUX	4/24/07	mmk
510	DRILL AND TAP	4-24-07	TRW
615	ROLLMARK CALIBER	4-24-07	CW
618	ROTO-BLAST	4-24-07	CB
620	APPLY COATINGS	4/27/07	WJ
625	FINAL ASSEMBLY	5-1-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	5-8-07 TRW
650	TARGET	PASS FAIL	5-8-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		5-8-07 CWS
	A) HEADSPACE	PASS FAIL	5-14-07 RTZ
	B) TRIGGER PULL	2.54 2.55 2.57 2.58 2.59	5-9-07 TRW
680	F) SAFETY ON FORCE	6.75 6.5 6.5	5-9-07 TRW
	G) SAFETY OFF FORCE	3.0 2.5 2.5	5-9-07 TRW
	I) FIRING PIN INDENT	.0225 .022 .0225	5-9-07 TRW
690	PACK		5-14-07 RTZ




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

MODEL 700TH W24

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

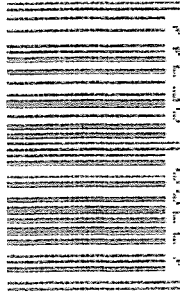
SERIAL NO.
C6594530

ORDER NO.
5716



5716 C6594530

LPC



0 47700 25716 7

MOD. _____		GA. CAL. _____	GUN # _____	ASSEM. # _____
# TEST	DATE	MALFUNCTION/DEFECT		
	1st			
	1/23/90	Shaper brass and don't eject and Bolt Rel	KS	
	2nd			
	1/24/91	NEW EXTRACTOR POLISHED EJECTOR ADJUSTED BOLT REL. BENCH TEST OK	KS	
	3rd			
		100 Rd. Test OK A.G. 1-29-91		
	4th			
		FUNCTION	RD 6654	Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594530

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/31/90	Kd
600	Proof		10/31/90	Kd
607	Check Headspace		10/31/90	Kd
610	Dis-assemble Gun		10/31/90	Kd
612	Magnaflux Barrel Action		11/1/90	KCR
	Magnaflux Bolt		11/1/90	KCR
615	Rollmark Caliber		11/1/90	ES
617	Drill and Tap Sight Holes		11/6/90	FB
618	Polish Barrel <i>FB</i>		11/7/90	WB
620	Apply Coatings (Barrel Action)		11-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/18/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/18/91	KS
	C) Inspect Ejector Hole for Chamfer		1/18/91	KS
	D) Oil Firing Pin Ass'y		1/18/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1-21-91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			1/21/91	WLB
	G) Safety Off Force	2	2	2			1/21/91	WLB
	H) Trigger Pull Test & Retainability						1-21-91	JL
	I) Firing Pin Indent	.021	.020	.0205			1/21/91	WLB
	J) Assemble Stock						1/23/91	KS
	K) Assemble Swivel Studs						2-4-91	K
	L) Attach Front and Rear Sight Assemblies						1/23/91	KS
	M) Iron Sight Alignment						1/23/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/23/91	KS
	O) Attach Scope to Rifle						1/23/91	KS
	P) Detach & Attach Scope 20 Times						1/23/91	KS
640	Gallery Target & Test						1-23-91	AC
	A) Time						1-23-91	AC
	B) Malfunctions						1-23-91	AC
	C) Pierced Primers						1-23-91	AC
	D) Optical Clarity of Scope						1-23-91	AC
645	Inspect for Live Ammo						1-23-91	AC
655	Final Inspection							
	A) Headspace						2-4-91	K
	B) Trigger Pull	2.18	2.19	2.49	2.49	2.46	2-1-91	JL
	C) Function						2-4-91	AC
660	Pack						3-19-91	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6594530

DATE 1-21-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.29	2.26	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.25	2.28	2.19	
PULL #3	2.25	2.27	2.30	2.49	
PULL #4	2.31	2.24	2.25	2.49	
PULL #5	2.30	2.22	2.23	2.46	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.28		
PULL #2	3.33	3.29		
PULL #3	3.29	3.27		
PULL #4	3.27	3.28		
PULL #5	3.31	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.24		4.24
PULL #2	4.22	4.19		4.26
PULL #3	4.26	4.21		4.23
PULL #4	4.26	4.23		4.28
PULL #5	4.22	4.23		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594530
24 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.0251794
1 TO	2	.105361
1 TO	3	.178393
1 TO	4	.154842
1 TO	5	.359089

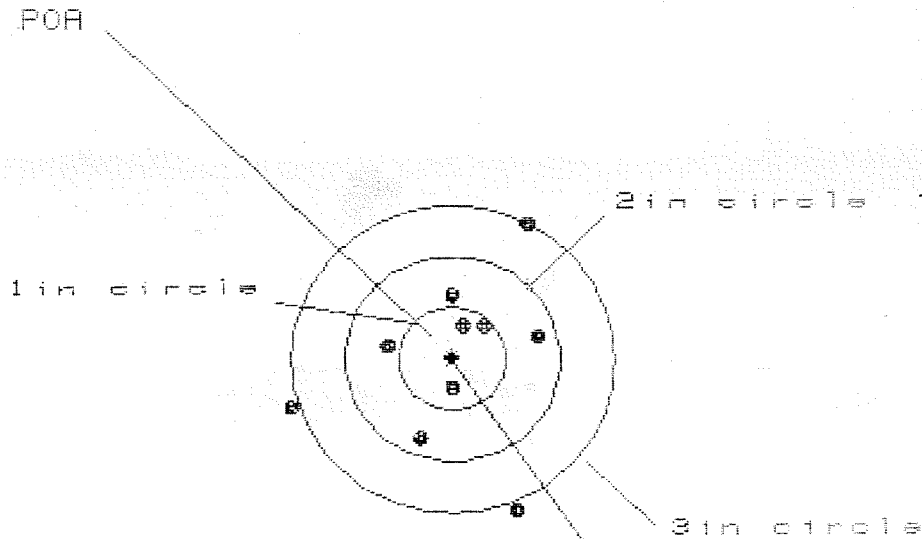
15 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1384
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0252
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .140676
THE AMR FOR THIS RIFLE IS: .9596

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594530

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 7

HE = 2.287

VS = 2.860

QS = 2.862

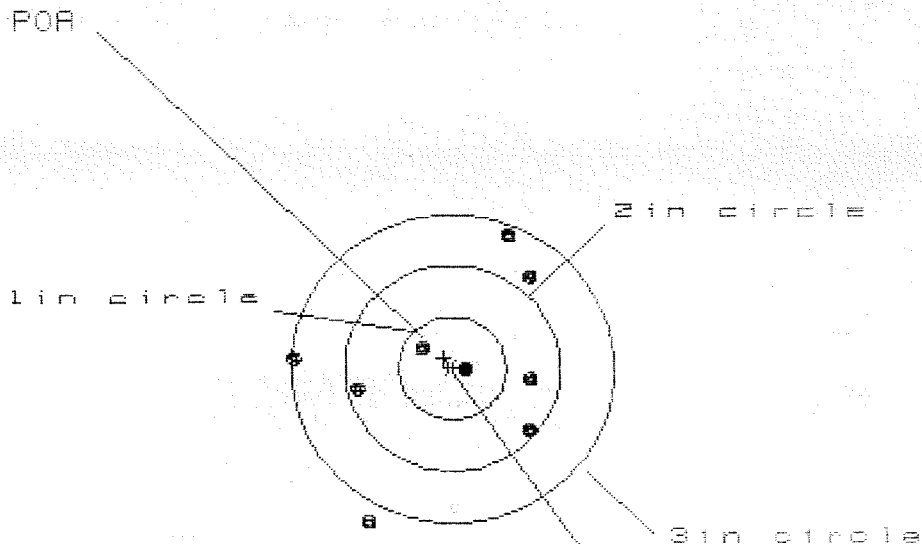
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.796	.858	.679
MINIMUM X	-1.491	-1.429	-1.759
MAXIMUM Y	1.371	1.205	1.127
MINIMUM Y	-1.489	-1.933	-1.011
CENTROID X	.003	-.059	.120
CENTROID Y	-.025	.141	.219
POA TO CENTROID in.	.025	.153	.250
MIN RADIUS	.310	.264	.122
MEAN RADIUS	.879	.782	.645
MAX RADIUS	1.590	1.561	1.248
HORIZONTAL SPREAD	2.287	2.287	1.438
VERTICAL SPREAD	2.860	2.138	2.138
EXTREME SPREAD	2.862	2.822	2.349
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	7		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in = 8

HS= 2.270

VS= 2.770

GS= 3.066

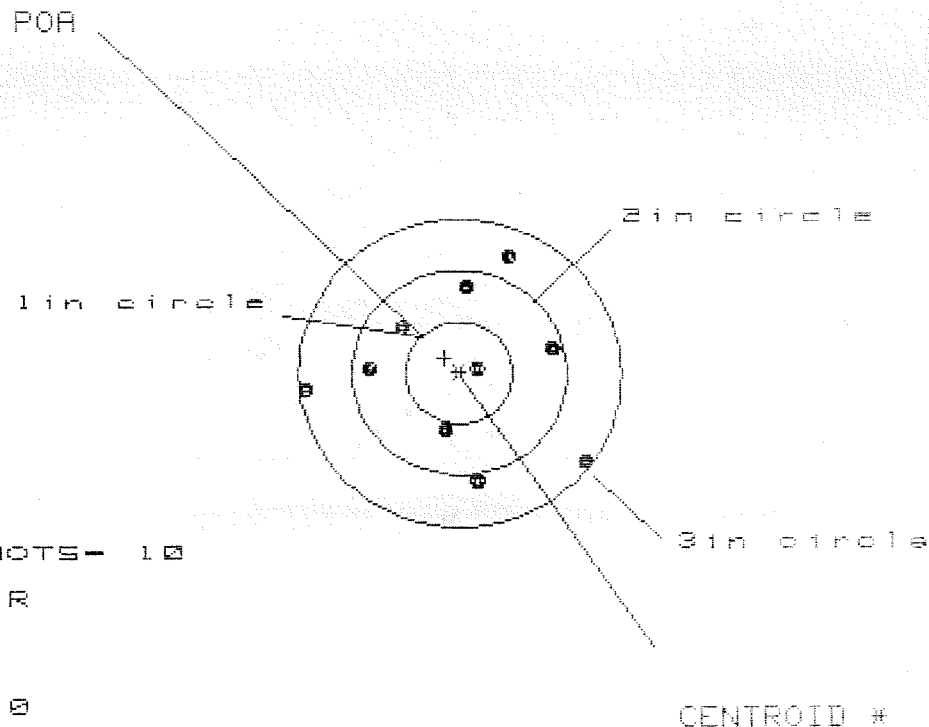
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.753	.666	.466
MINIMUM X	:	-1.517	-1.604	-1.211
MAXIMUM Y	:	1.277	1.112	1.108
MINIMUM Y	:	-1.493	-.745	-.749
CENTROID X	:	.078	.165	.365
CENTROID Y	:	-.099	.066	.070
FOR TO CENTROID in.	:	.126	.178	.372
MIN RADIUS	:	.132	.160	.221
MEAN RADIUS	:	.955	.861	.743
MAX RADIUS	:	1.684	1.604	1.280
HORIZONTAL SPREAD	:	2.270	2.270	1.677
VERTICAL SPREAD	:	2.770	1.857	1.857
EXTREME SPREAD	:	3.066	2.364	2.108
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 6

3 in - 10

HS - 2.522

VS - 2.147

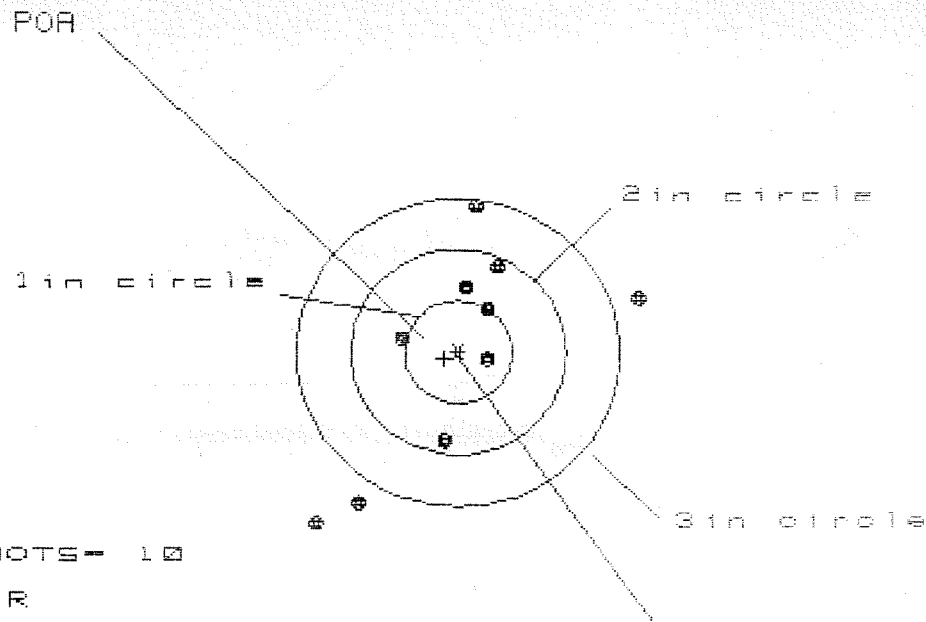
GS - 2.621

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.137	1.033	.976
MINIMUM X	:	-1.385	-1.259	-.878
MAXIMUM Y	:	1.100	1.001	.966
MINIMUM Y	:	-1.047	-1.146	-1.181
CENTROID X	:	.135	.009	.166
CENTROID Y	:	-.145	-.046	-.011
POR TO CENTROID in.	:	.198	.047	.166
MIN RADIUS	:	.151	.281	.152
MEAN RADIUS	:	.915	.848	.779
MAX RADIUS	:	1.445	1.289	1.185
HORIZONTAL SPREAD	:	2.522	2.292	1.754
VERTICAL SPREAD	:	2.147	2.147	2.147
EXTREME SPREAD	:	2.621	2.329	2.179
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 6

3 in - 7

HS - 3.021

VS - 3.131

GS - 3.785

CENTROID #

PATTERN #

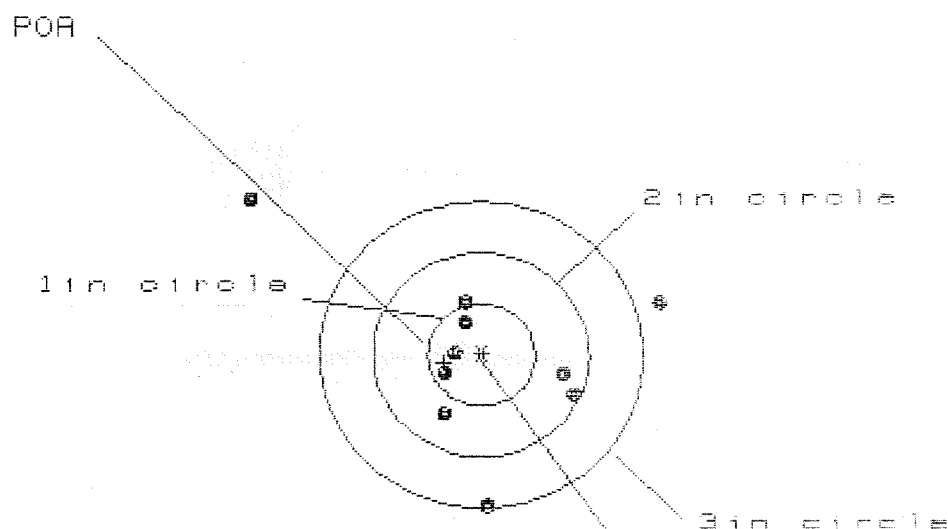
4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.680	1.531	.436
MINIMUM X	-1.341	-1.062	-.071
MAXIMUM Y	1.418	1.228	1.275
MINIMUM Y	-1.713	-1.628	-1.581
CENTROID X	.129	.278	.087
CENTROID Y	.065	.255	.208
POA TO CENTROID in.	.145	.378	.225
MIN RADIUS	.282	.257	.367
MEAN RADIUS	1.088	.912	.842
MAX RADIUS	2.176	1.944	1.805
HORIZONTAL SPREAD	3.021	2.593	1.307
VERTICAL SPREAD	3.131	2.856	2.856
EXTREME SPREAD	3.785	3.278	3.072
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		7	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 3.714

VS= 2.956

GS= 3.843

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.607	1.373	.779
MINIMUM X	:	-2.107	-.630	-.458
MAXIMUM Y	:	1.475	.694	.776
MINIMUM Y	:	-1.481	-1.318	-1.236
CENTROID X	:	.347	.581	.409
CENTROID Y	:	.078	-.085	-.167
POR TO CENTROID in.	:	.355	.587	.442
MIN RADIUS	:	.209	.472	.365
MEAN RADIUS	:	.961	.797	.681
MAX RADIUS	:	2.571	1.520	1.236
HORIZONTAL SPREAD	:	3.714	2.003	1.237
VERTICAL SPREAD	:	2.956	2.012	2.012

EXTREME	SPREAD :	3.843	2.487	2.021
NUMBER IN ONE	INCH CIRCLE	=	3	
NUMBER IN TWO	INCH CIRCLE	=	7	
NUMBER IN THREE	INCH CIRCLE	=	8	