

C5611458

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*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: **RE00155579** Serial: C6611458 Model M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 11/19/2008 9:52:51 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DIRECTORATE OF EMERGENCY SERVICES

Address 1: 218 BROOKE ST BLDG 212

Address 2: PO Box:

City: FORT BUCHANAN

State: PR Zip Code: 00934 Country: XX

State: PR Zip Code: 00934 Country: XX

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: <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A006</td> <td>Sling Strap</td> <td>1</td> </tr> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>A045</td> <td>Bi Pod</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Fit and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>	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	1		
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	1																										

Repair Search Refresh Close

nagletj 11/19/2008 9:57 AM CAPS NUM INS SCHL

start 7 M... 9 M... Excl... Arms... Part S... Enter...

Serial Number: **C6611458**

Model: **M24 SWS**

RE00155579

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

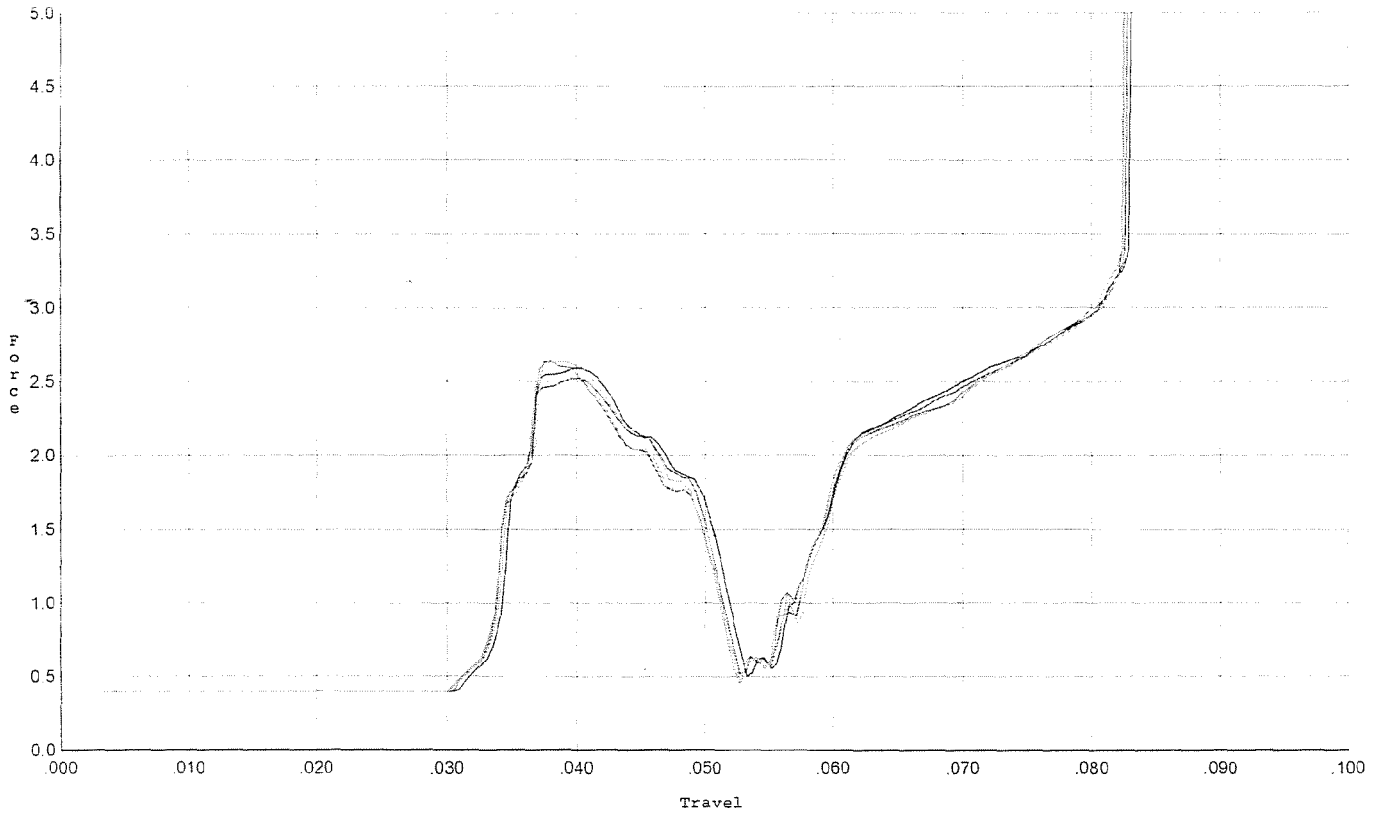
R & E NUMBER 155579
 SERIAL NUMBER C6611458
 LOG-IN DATE 11-19-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	12-4-08	RTZ
505	RE-BARREL	12-8-08	RTZ
560	ASSEMBLE	12-8-08	RTZ
600	PROOF	12-8-08	RPD
605	CHECK HEADSPACE	12-8-08	RPD
610	DIS-ASSEMBLE GUN	12-8-08	RPD
612	MAGNAFLUX	12/14/08	RPD
510	DRILL AND TAP	12-11-08	SP
615	ROLLMARK CALIBER	12/15/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	12-23	
625	FINAL ASSEMBLY	12-29-08	RTZ
640	FUNCTION TEST AND	12-30-08	RPD
650	TARGET	12-30-08	RPD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	12-29-08	RP
	A) HEADSPACE	12-31-08	RP
		12-31-08	RP
	B) TRIGGER PULL	2.30 2.43 2.45 2.34 2.39	12-31-08 RPD
680	F) SAFETY ON FORCE	4.0 4.0 4.0	12-31-08 RPD
	G) SAFETY OFF FORCE	6.0 6.0 6.0	12-31-08 RPD
	I) FIRING PIN INDENT	-0.23 -0.23 -0.23	12-31-08 RPD
690	PACK		1/5/09 Fm

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 11/19/08

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



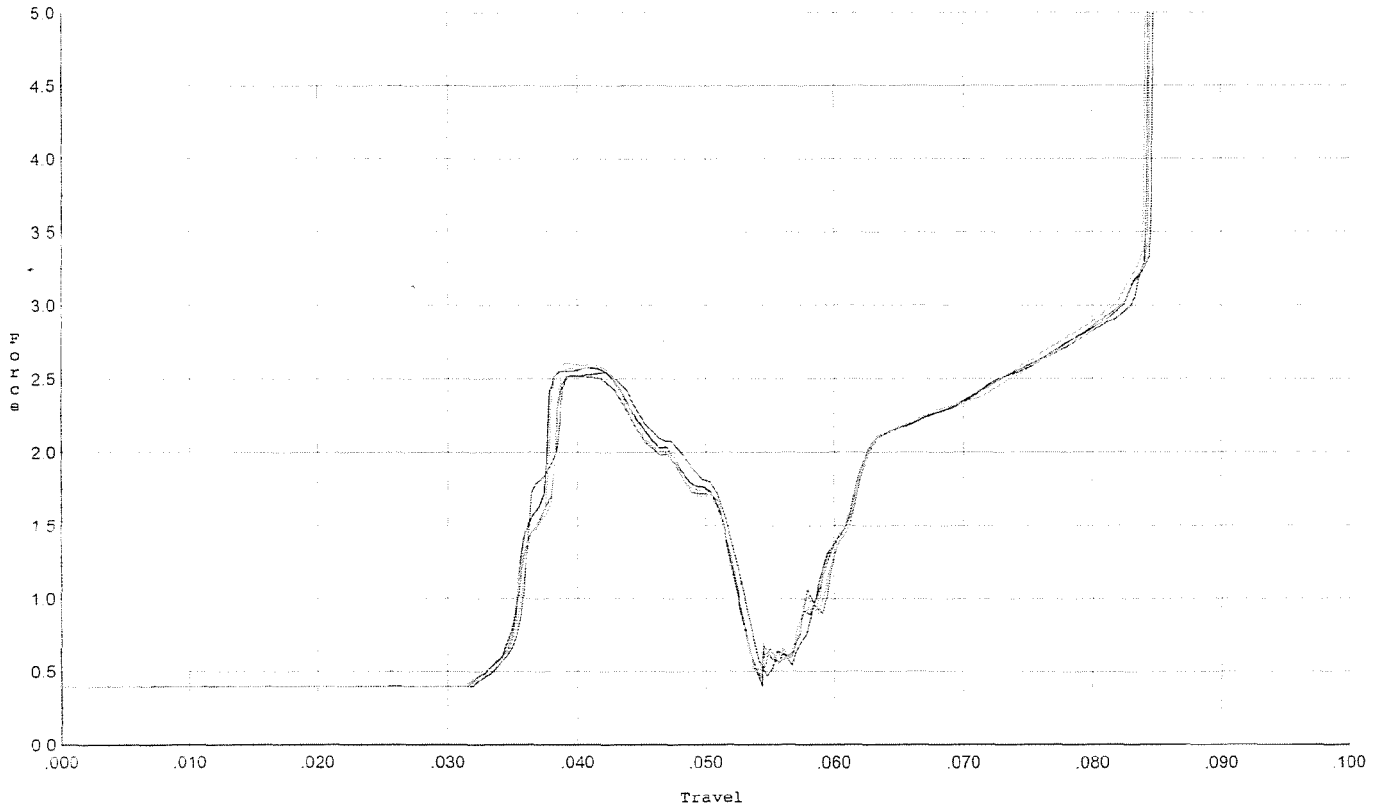
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.518	0.050	0.033	0.037	0.049		Set Trigger
2	2.587	0.051	0.033	0.037	0.050		Set Trigger
3	2.635	0.051	0.033	0.036	0.049		Set Trigger
4	2.645	0.050	0.033	0.037	0.048		Set Trigger
5	2.636	0.051	0.033	0.036	0.049		Set Trigger

Aug 2.60

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 11/19/08

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



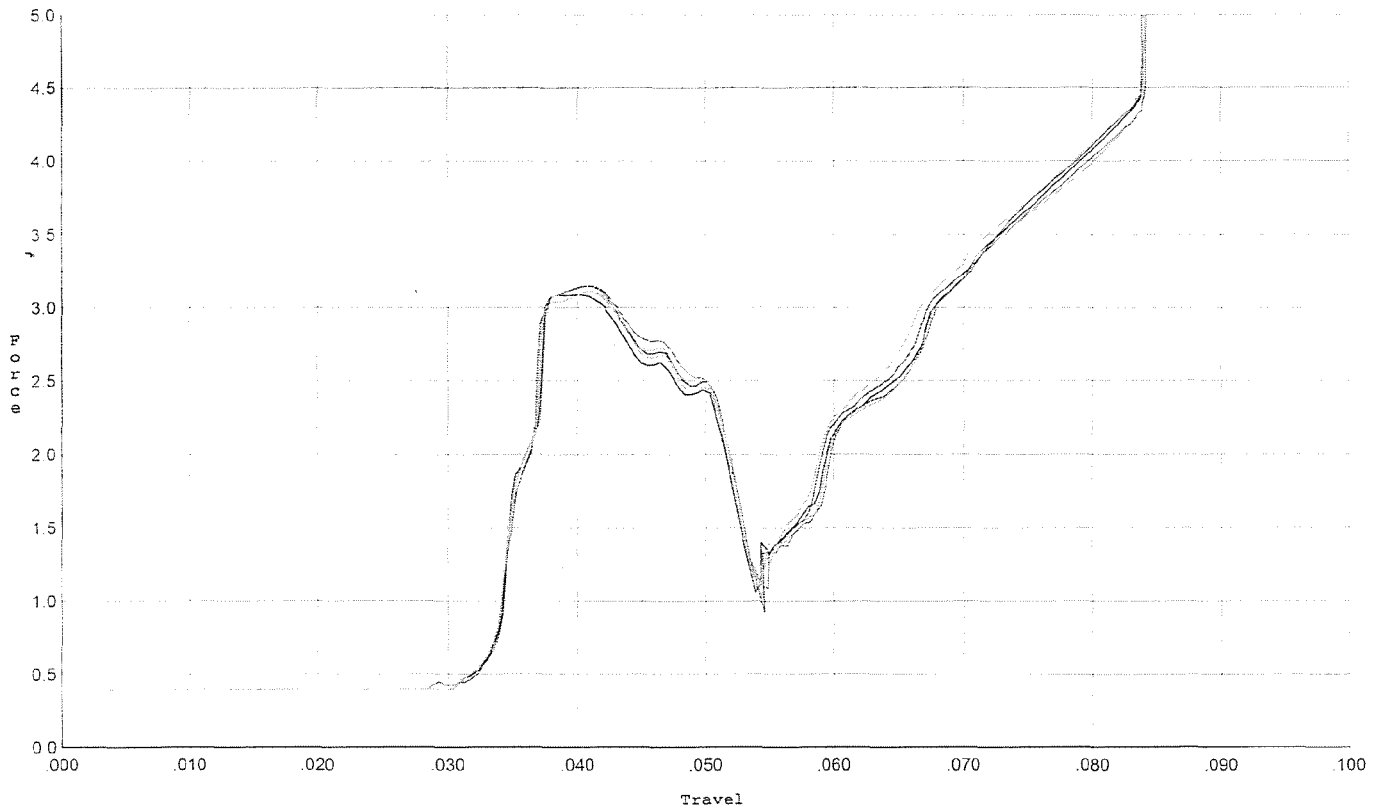
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.542	0.053	0.035	0.037	0.050		Set Trigger
2	2.577	0.051	0.034	0.038	0.048		Set Trigger
3	2.523	0.052	0.035	0.038	0.048		Set Trigger
4	2.591	0.052	0.035	0.038	0.048		Set Trigger
5	2.606	0.051	0.034	0.037	0.048		Set Trigger

Aug 2.56

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 11/19/08

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



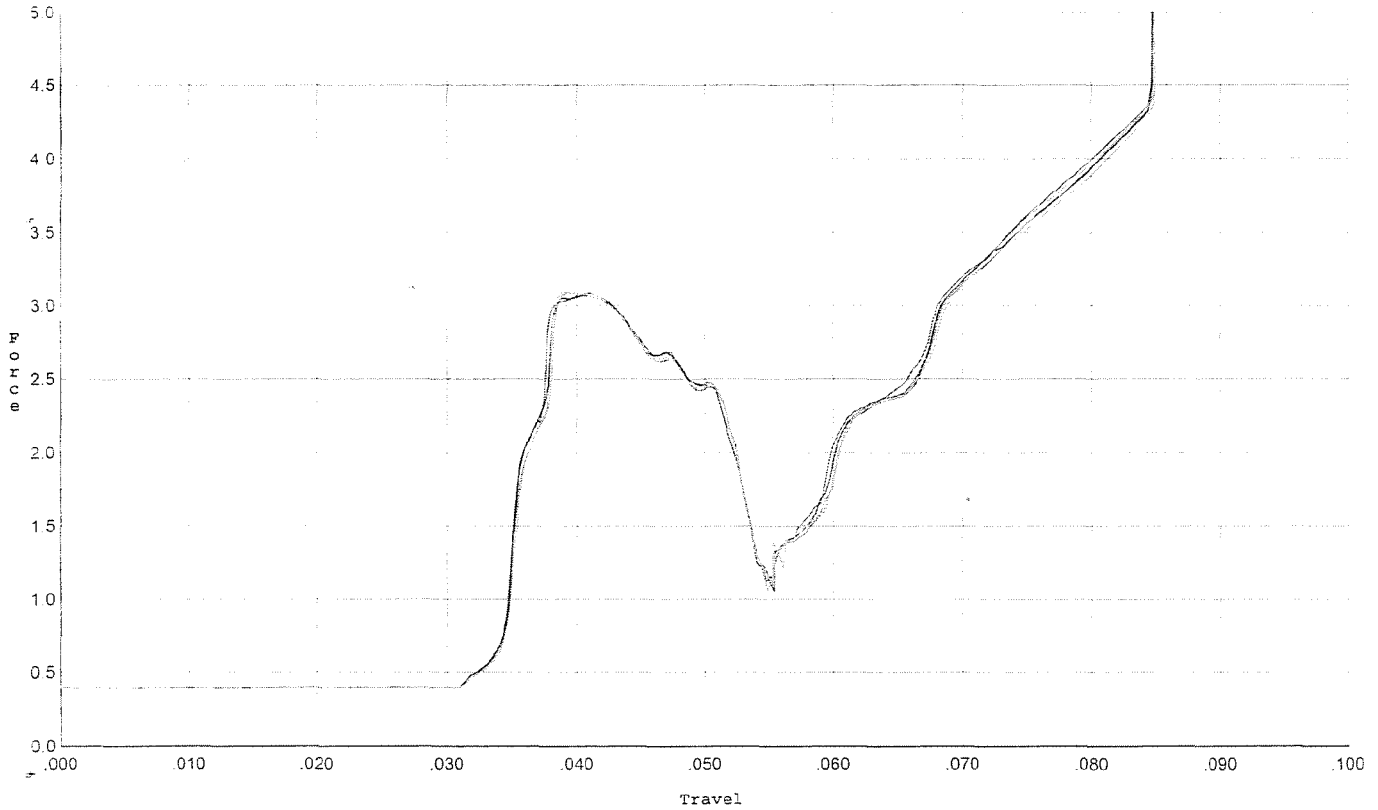
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.148	0.052	0.033	0.036	0.061		Set Trigger
2	3.085	0.051	0.033	0.036	0.059		Set Trigger
3	3.151	0.052	0.033	0.036	0.061		Set Trigger
4	3.110	0.051	0.033	0.036	0.059		Set Trigger
5	3.107	0.052	0.033	0.036	0.061		Set Trigger

Avg 3.12

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 11/19/08

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



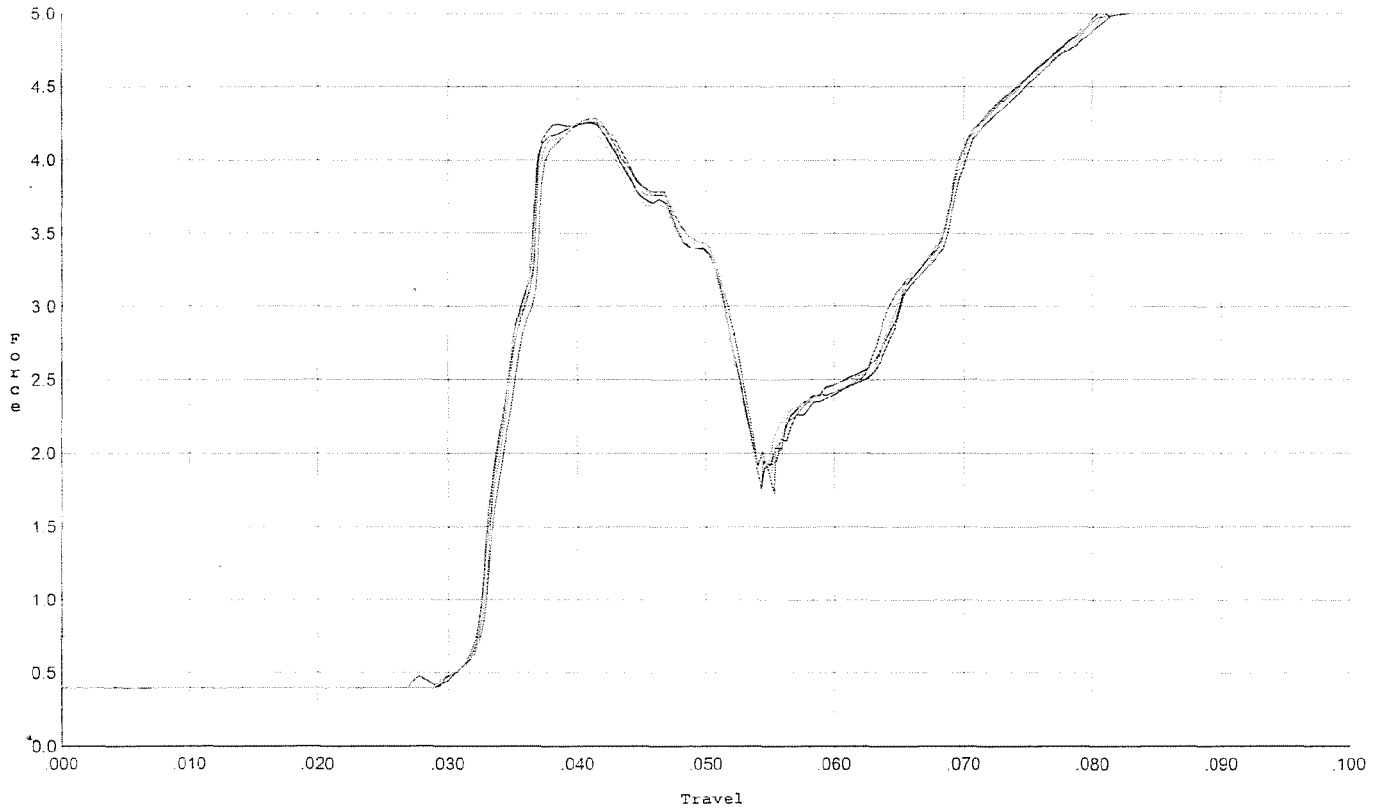
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.085	0.052	0.034	0.036	0.061		Set Trigger
2	3.069	0.053	0.034	0.036	0.061		Set Trigger
3	3.091	0.053	0.034	0.036	0.060		Set Trigger
4	3.085	0.053	0.032	0.036	0.060		Set Trigger
5	3.093	0.052	0.034	0.036	0.060		Set Trigger

Avg 3.08

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 11/19/08

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



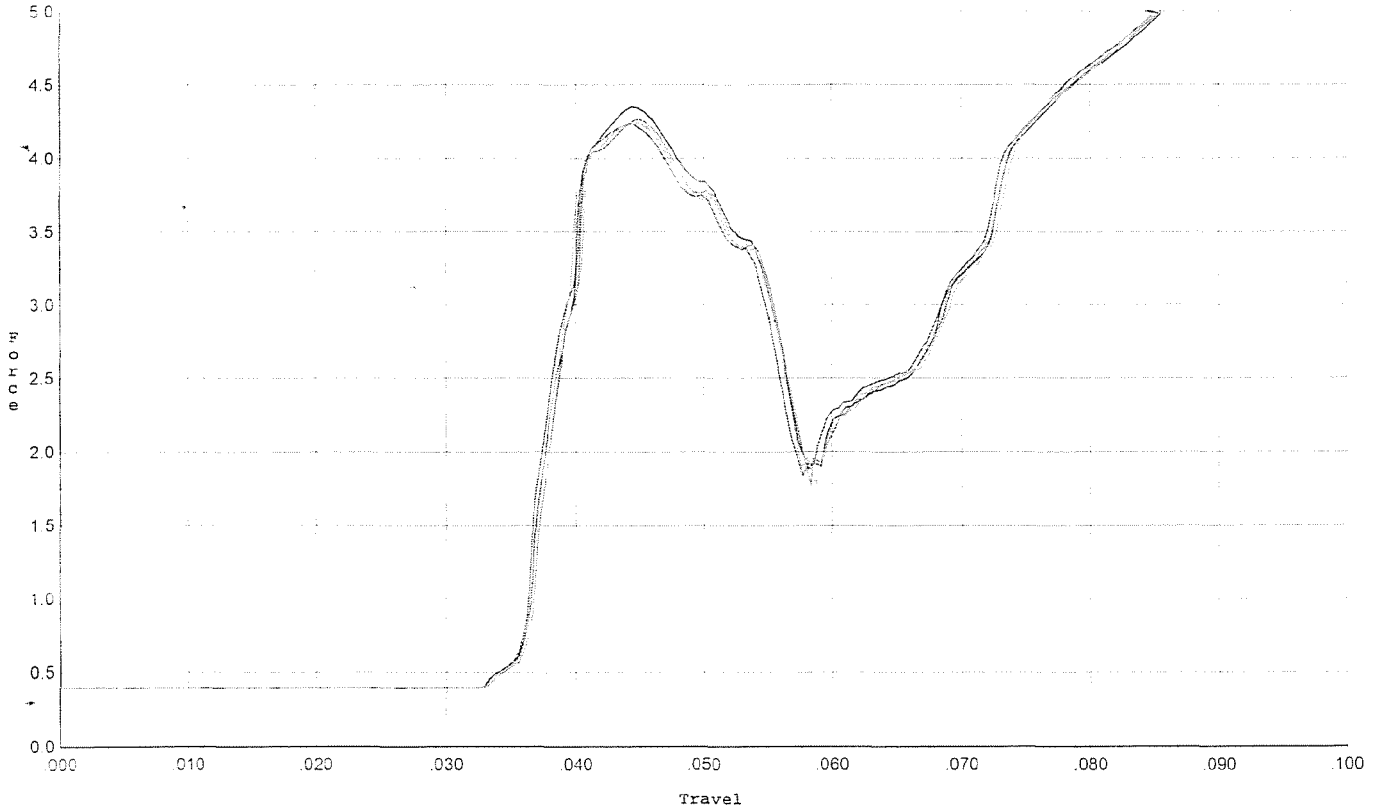
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.258	0.051	0.032	0.034	0.081		Set Trigger
2	4.253	0.053	0.032	0.034	0.083		Set Trigger
3	4.285	0.052	0.030	0.034	0.081		Set Trigger
4	4.288	0.051	0.032	0.034	0.081		Set Trigger
5	4.212	0.052	0.032	0.034	0.080		Set Trigger

Aug 4.25

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 11/19/08

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



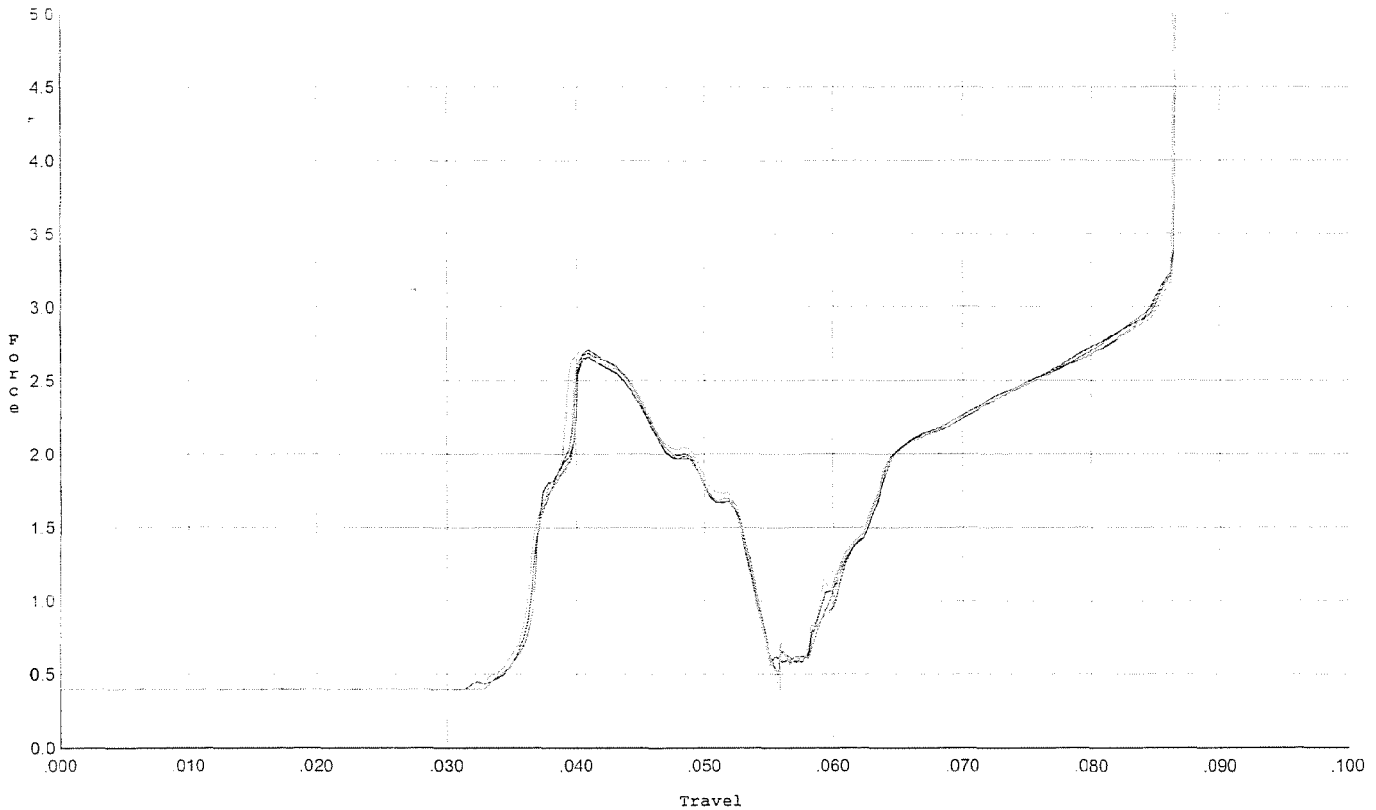
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.231	0.055	0.033	0.036	0.082		Set Trigger
2	4.350	0.056	0.033	0.036	0.084		Set Trigger
3	4.265	0.055	0.034	0.036	0.082		Set Trigger
4	4.245	0.056	0.036	0.036	0.083		Set Trigger
5	4.236	0.055	0.036	0.036	0.082		Set Trigger

Avg 4.26

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 11/19/08

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



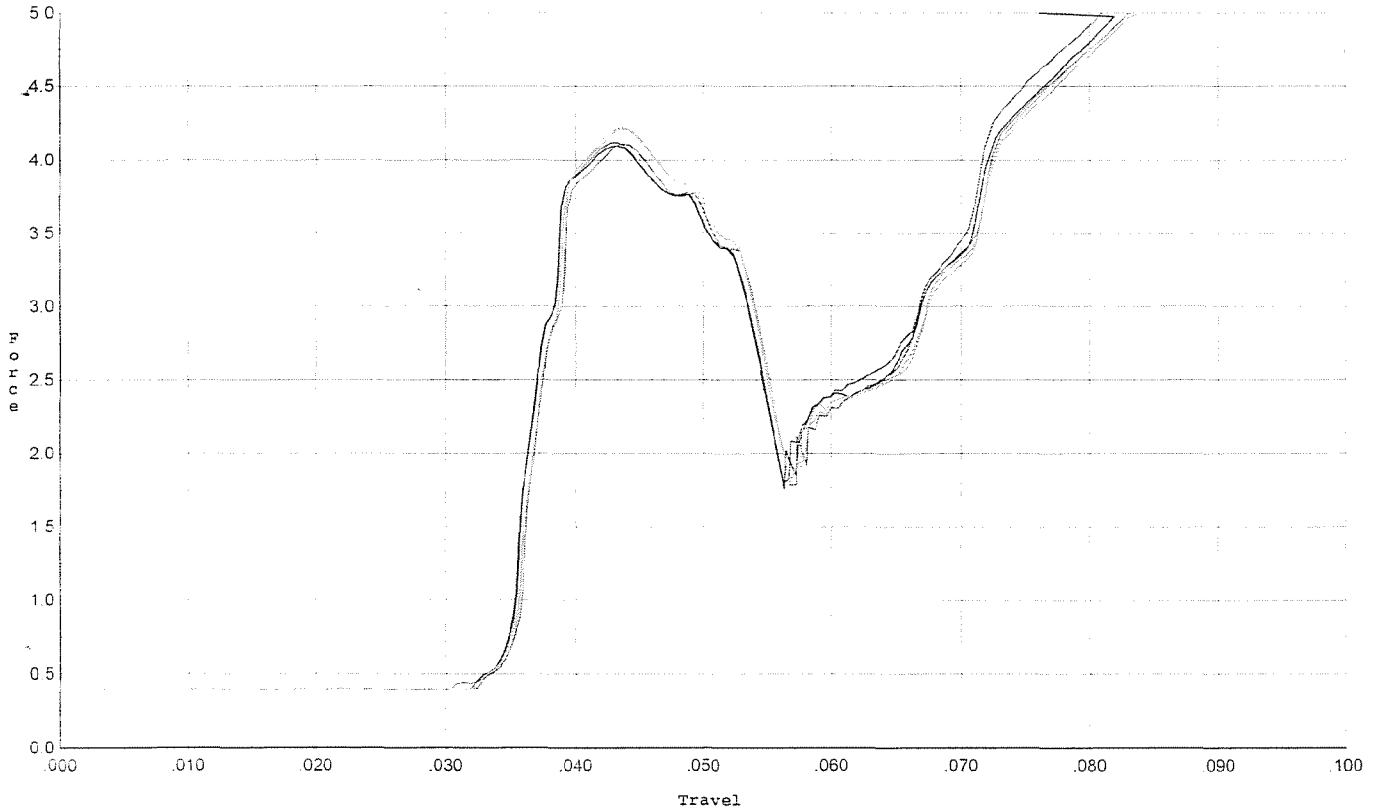
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.706	0.053	0.035	0.038	0.049		Set Trigger
2	2.658	0.054	0.036	0.038	0.050		Set Trigger
3	2.685	0.054	0.036	0.038	0.050		Set Trigger
4	2.646	0.054	0.036	0.038	0.050		Set Trigger
5	2.693	0.053	0.035	0.038	0.050		Set Trigger

Aug 2.67

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 11/19/08

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	4.118	0.055	0.034	0.035	0.081		Set Trigger
2	4.096	0.055	0.035	0.035	0.081		Set Trigger
3	4.109	0.055	0.033	0.036	0.082		Set Trigger
4	4.211	0.054	0.033	0.036	0.081		Set Trigger
5	4.223	0.055	0.033	0.036	0.083		Set Trigger

Avg 4.15

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C661458.___0
FILE DATE AND TIME: 12/31/2008 07:33

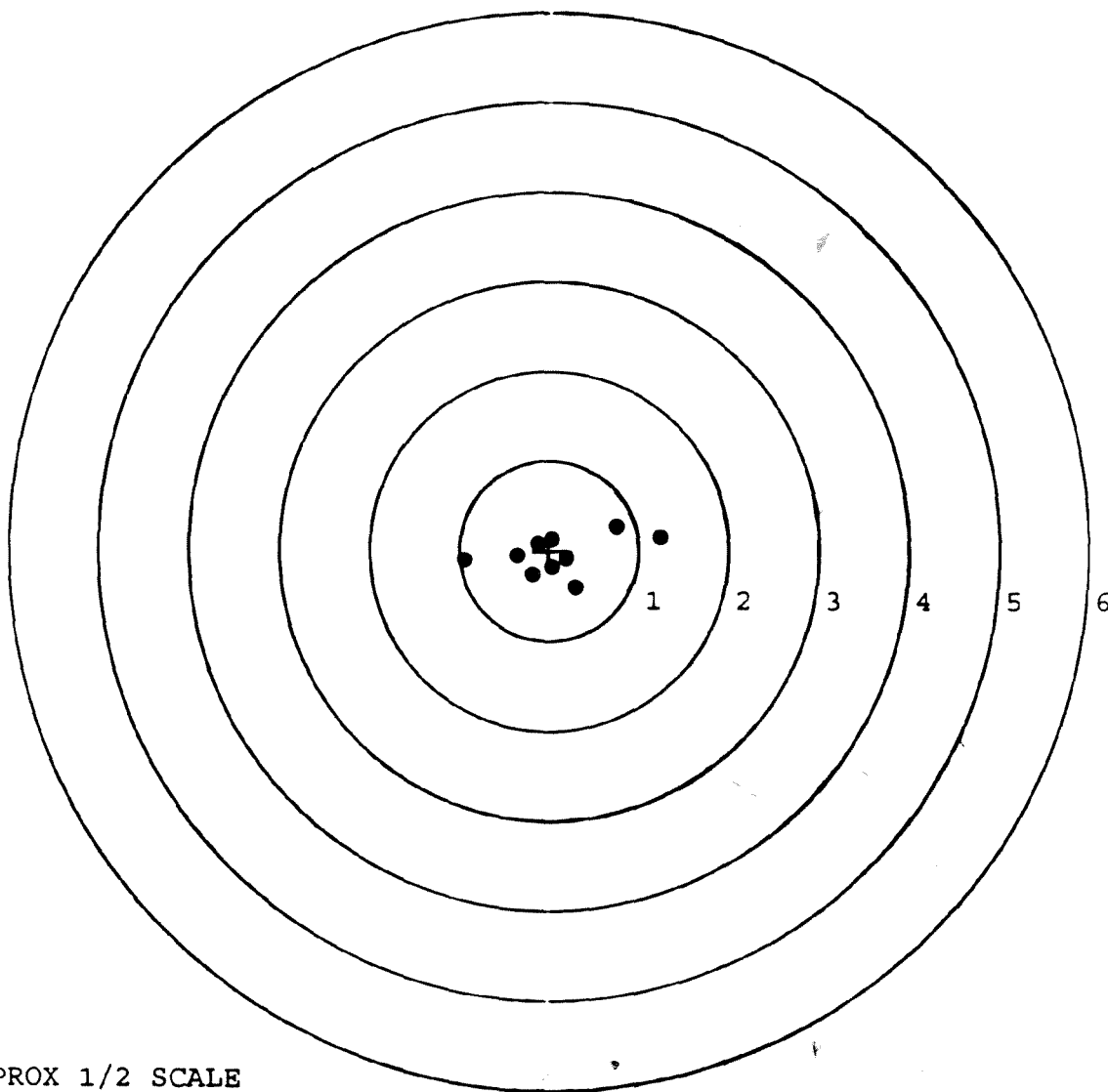
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.019
The Average Y Centroid of the Five Target Set:	-0.156
The Average Point of Impact of the Five Target Set:	0.157
The Average Mean Radius of the Five Target Set:	0.539
The Distance from POA to Centroid Target #1:	0.109
The Distance from Centroid Target #2 to Centroid Target #1:	0.232
The Distance from Centroid Target #3 to Centroid Target #1:	0.176
The Distance from Centroid Target #4 to Centroid Target #1:	0.305
The Distance from Centroid Target #5 to Centroid Target #1:	0.016

SERIAL NUMBER: C661458. 0
TARGET NUMBER: 1
FILE DATE: 12/31/2008
FILE TIME: 07:33

X CENTROID: 0.095
Y CENTROID: -0.053
POA TO CENTROID: 0.109
HORZ SPREAD: 2.179
VERT SPREAD: 0.685
GROUP SPREAD: 2.194
MIN RADIUS: 0.111
MAX RADIUS: 1.159
MEAN RADIUS: 0.485
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.237	0.147
2:	0.747	0.266
3:	0.303	-0.419
4:	0.200	-0.090
5:	0.034	0.125
6:	-0.121	0.080
7:	-0.355	-0.064
8:	-0.187	-0.274
9:	0.036	-0.187
10:	-0.942	-0.109

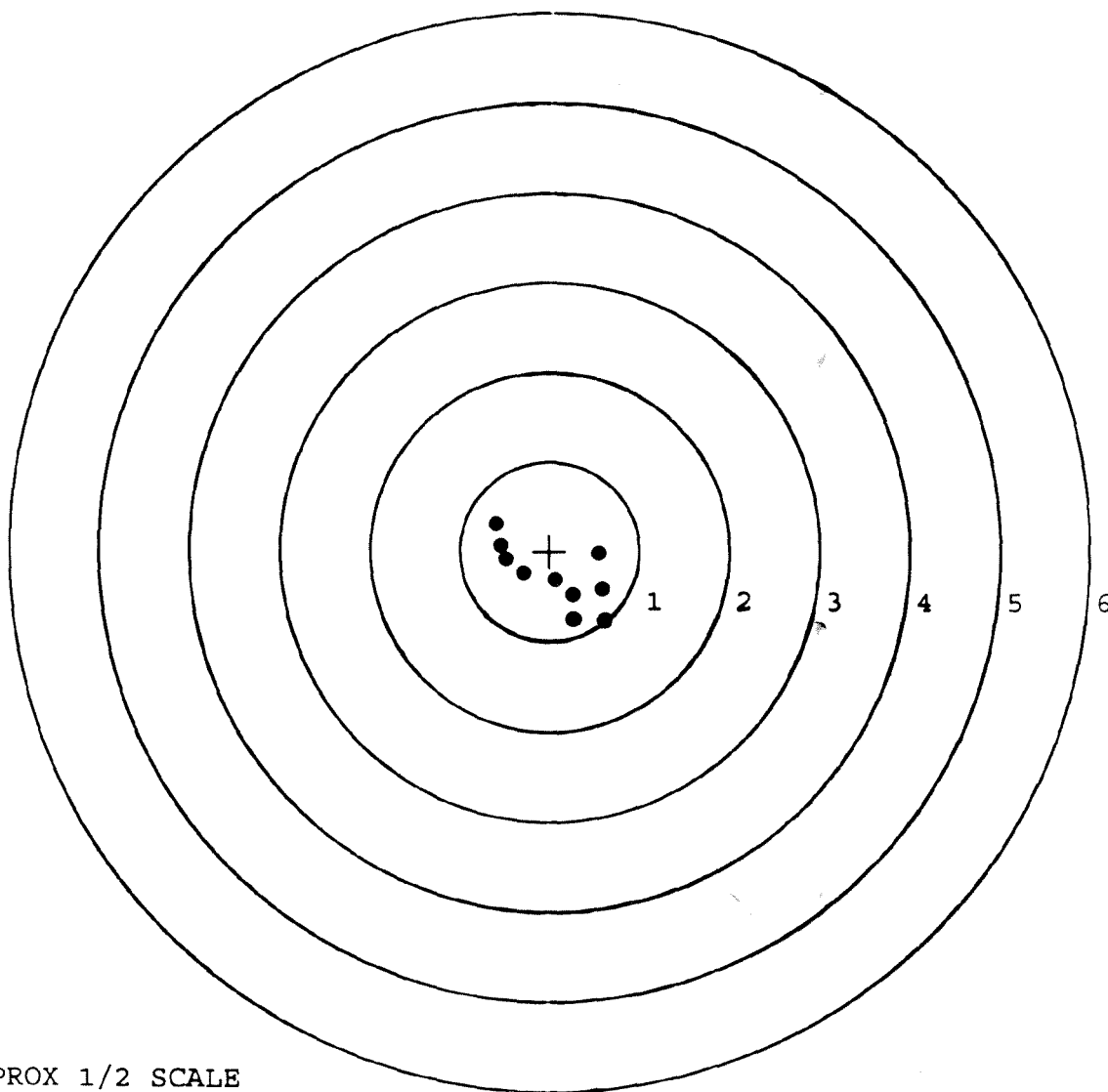


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C661458. 0
TARGET NUMBER: 2
FILE DATE: 12/31/2008
FILE TIME: 07:33

POINT#	X	Y
1:	0.551	-0.026
2:	0.593	-0.423
3:	0.615	-0.778
4:	0.278	-0.762
5:	0.262	-0.493
6:	0.072	-0.328
7:	-0.294	-0.247
8:	-0.487	-0.099
9:	-0.545	0.063
10:	-0.601	0.304

X CENTROID: 0.044
Y CENTROID: -0.279
POA TO CENTROID: 0.282
HORZ SPREAD: 1.216
VERT SPREAD: 1.082
GROUP SPREAD: 1.628
MIN RADIUS: 0.056
MAX RADIUS: 0.870
MEAN RADIUS: 0.524
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

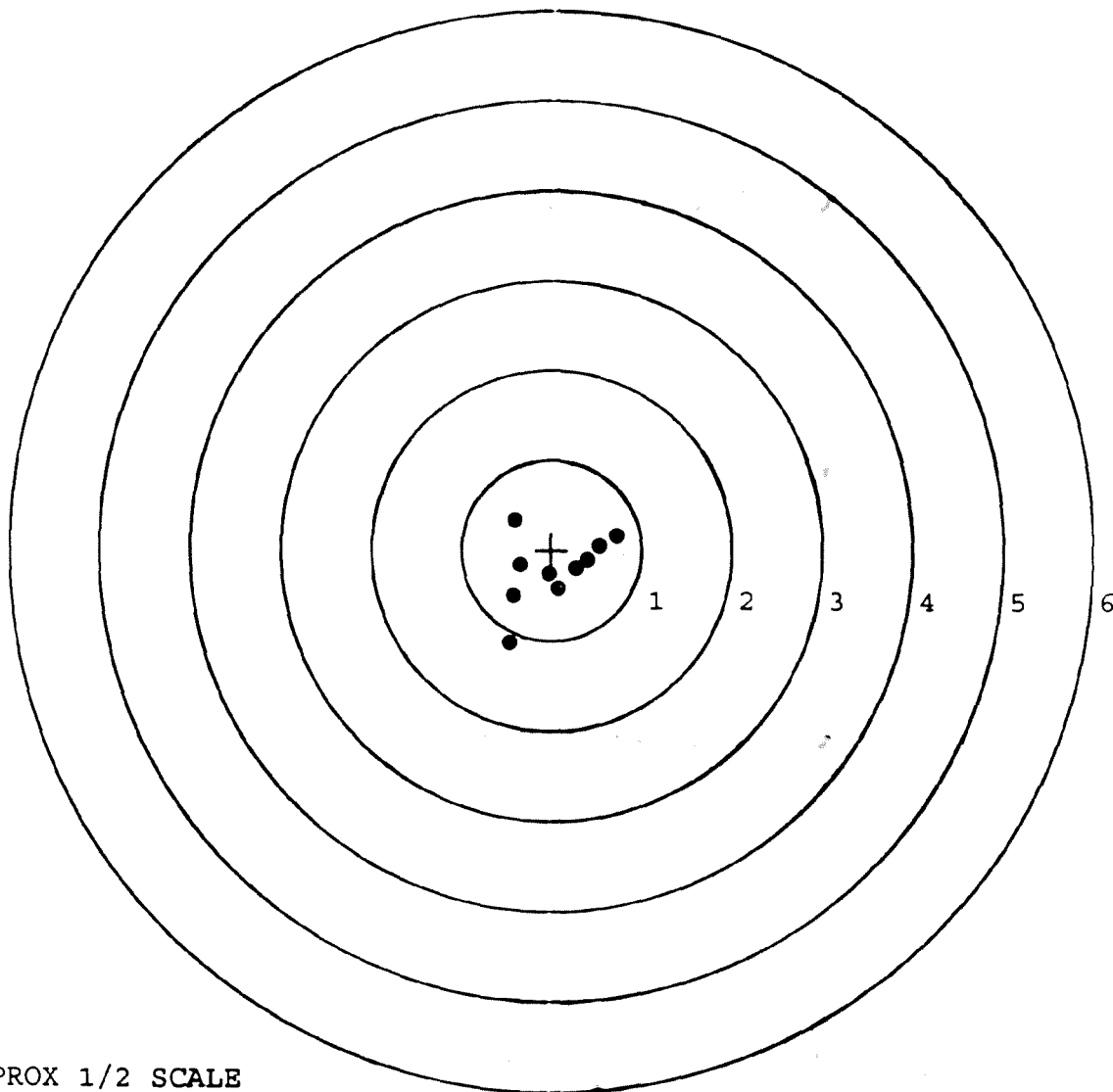


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C661458. __0
TARGET NUMBER: 3
FILE DATE: 12/31/2008
FILE TIME: 07:33

POINT#	X	Y
1:	-0.412	0.328
2:	-0.348	-0.167
3:	-0.424	-0.508
4:	-0.466	-1.031
5:	-0.029	-0.264
6:	0.086	-0.428
7:	0.275	-0.205
8:	0.400	-0.110
9:	0.536	0.050
10:	0.720	0.163

X CENTROID: 0.034
Y CENTROID: -0.217
POA TO CENTROID: 0.220
HORZ SPREAD: 1.186
VERT SPREAD: 1.359
GROUP SPREAD: 1.683
MIN RADIUS: 0.078
MAX RADIUS: 0.955
MEAN RADIUS: 0.486
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

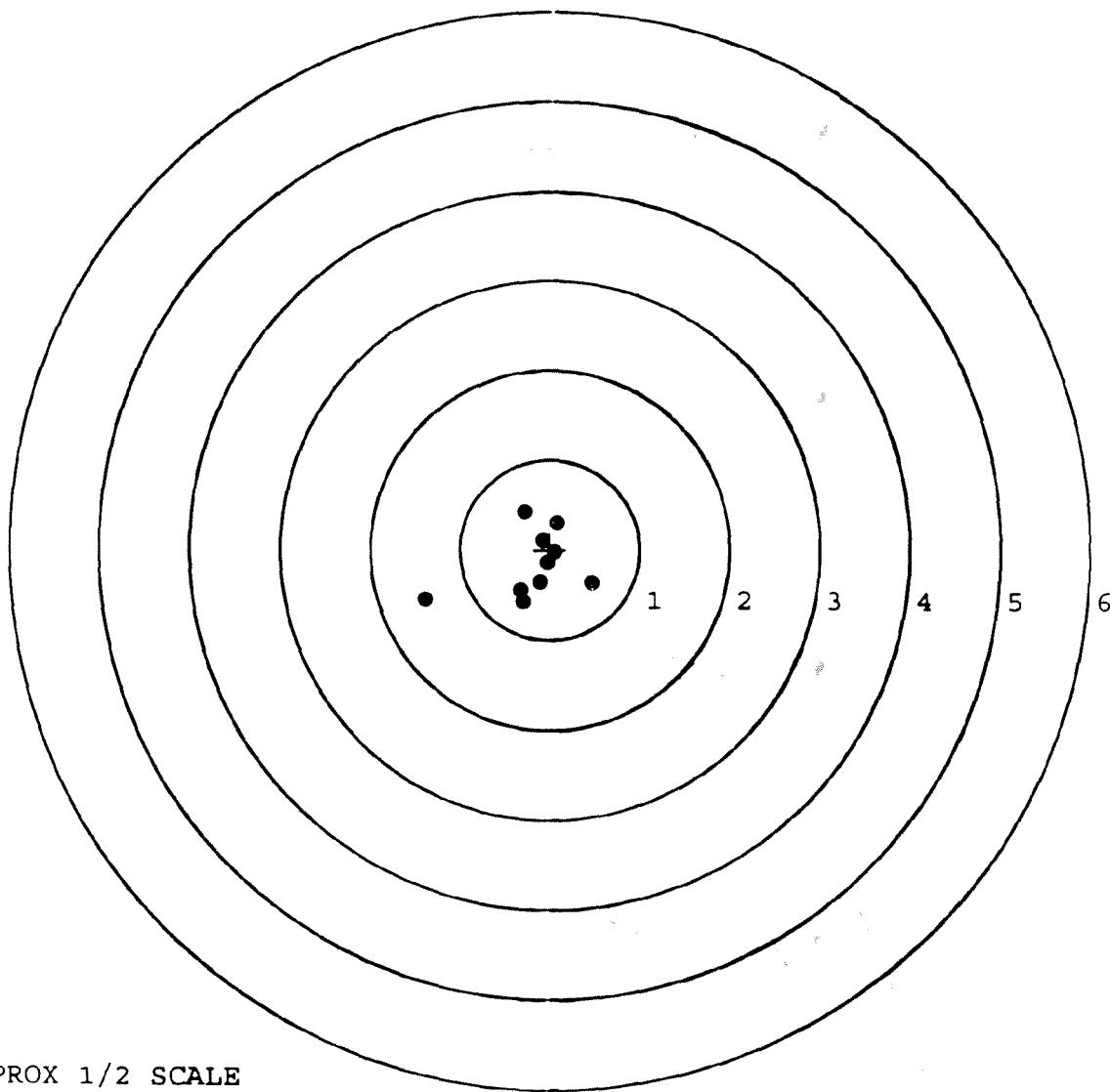


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C661458. __0
TARGET NUMBER: 4
FILE DATE: 12/31/2008
FILE TIME: 07:33

POINT#	X	Y
1:	-1.387	-0.561
2:	-0.285	0.424
3:	0.086	0.297
4:	-0.077	0.102
5:	0.060	-0.027
6:	-0.027	-0.148
7:	-0.101	-0.364
8:	-0.322	-0.448
9:	-0.299	-0.582
10:	0.480	-0.371

X CENTROID: -0.187
Y CENTROID: -0.168
POA TO CENTROID: 0.251
HORZ SPREAD: 1.867
VERT SPREAD: 1.006
GROUP SPREAD: 1.877
MIN RADIUS: 0.161
MAX RADIUS: 1.263
MEAN RADIUS: 0.479
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

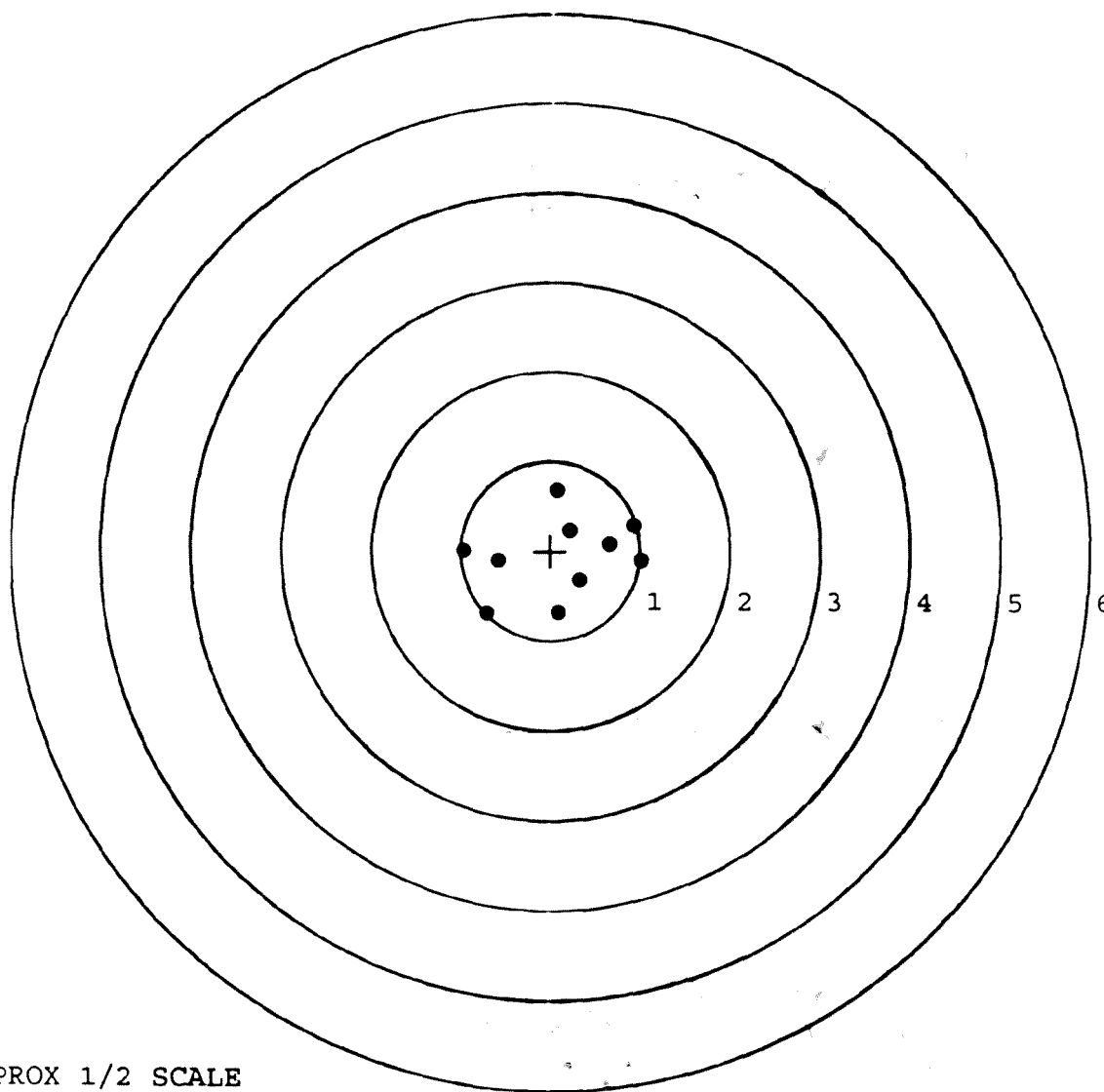


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C661458. 0
TARGET NUMBER: 5
FILE DATE: 12/31/2008
FILE TIME: 07:33

POINT#	X	Y
1:	-0.967	0.000
2:	-0.585	-0.107
3:	-0.710	-0.696
4:	0.097	-0.688
5:	0.327	-0.331
6:	1.015	-0.105
7:	0.666	0.086
8:	0.927	0.289
9:	0.218	0.232
10:	0.076	0.679

X CENTROID: 0.106
Y CENTROID: -0.064
POA TO CENTROID: 0.124
HORZ SPREAD: 1.982
VERT SPREAD: 1.375
GROUP SPREAD: 1.985
MIN RADIUS: 0.316
MAX RADIUS: 1.075
MEAN RADIUS: 0.721
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

SERIAL NO.
C6611458

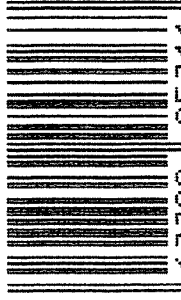
ORDER NO.
5716

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



5716 C6611458

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611458

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 25	91	RW
600	Proof	3 25	91	RW
607	Check Headspace	3 25	91	RW
610	Dis-assemble Gun	3 25	91	RW
612	Magnaflux Barrel Action	3 28	91	KR
	Magnaflux Bolt	3 28	91	"
615	Rollmark Caliber	3 28	91	JS
617	Drill and Tap Sight Holes	APR	3 1991	KB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)			TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/16/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	RW
	C) Inspect Ejector Hole for Chamfer		4/16/91	RW
	D) Oil Firing Pin Ass'y		4/16/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5-13-91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 5 3/4	5 3/4	5 3/4			5/13/91	WB
	G) Safety Off Force	3 3/4	3 3/4	3 3/4			5/13/91	WB
	H) Trigger Pull Test & Retainability						5-13-91	JK
	I) Firing Pin Indent	.022	.022	.022			5-13/91	WB
	J) Assemble Stock						5/14/91	Rev
	K) Assemble Swivel Studs						5-21-91	DH
	L) Attach Front and Rear Sight Assemblies						5/14/91	Rev
	M) Iron Sight Alignment						5/14/91	Rev
	N) Detach Front & Rear Sights & place in numbered container						5/14/91	Rev
	O) Attach Scope to Rifle						5/14/91	Rev
	P) Detach & Attach Scope 20 Times						5/14/91	Rev
640	Gallery Target & Test						5-15-91	DH
	A) Time						5-15-91	DH
	B) Malfunctions						5-15-91	DH
	C) Pierced Primers						5-15-91	DH
	D) Optical Clarity of Scope						5-15-91	DH
645	Inspect for Live Ammo						5-15-91	DH
655	Final Inspection							
	A) Headspace						5-21-91	DH
	B) Trigger Pull	2.16	2.18	2.15	2.22	2.27	5/20/91	JK
	C) Function						5-21-91	DH
660	Pack						6-17-91	V-

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6611458

DATE 5-13-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.45	2.20	2.16	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.20	2.25	2.18	
PULL #3	2.33	2.15	2.16	2.15	
PULL #4	2.36	2.13	2.15	2.22	
PULL #5	2.34	2.15	2.22	2.27	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.18		
PULL #2	3.56	3.25		
PULL #3	3.52	3.24		
PULL #4	3.51	3.21		
PULL #5	3.44	3.18		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.47	4.41		4.49
PULL #2	4.29	4.48		4.53
PULL #3	4.33	4.35		4.56
PULL #4	4.47	4.43		4.53
PULL #5	4.40	4.35		4.56
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611458
15 May 1991

CENTROIDAL DISTANCES

0 TO	1	.0902109
1 TO	2	.167362
1 TO	3	.572017
1 TO	4	.138741
1 TO	5	.196413

32 <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1264
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0218
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .128266

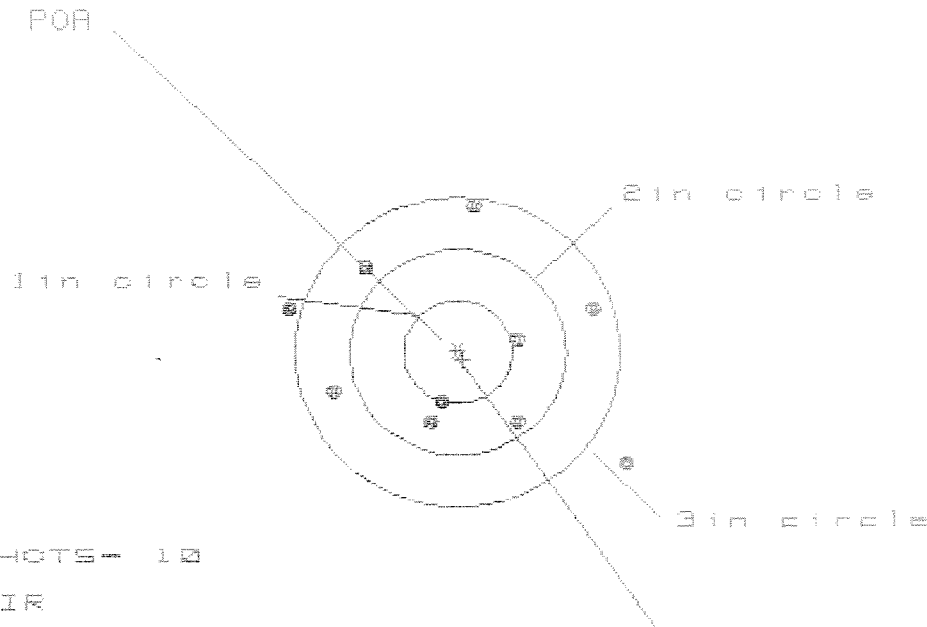
THE AMR FOR THIS RIFLE IS: 1.08

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/G6611458

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 8

HS = 3.128

VS = 2.555

GS = 3.503

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.555	1.379	1.204
MINIMUM X	-1.573	-1.400	-1.189
MAXIMUM Y	1.441	1.317	1.359
MINIMUM Y	-1.114	-0.849	-0.807
CENTROID X	-0.047	-0.220	-0.045
CENTROID Y	.077	.201	.159
POA TO CENTROID in.	.091	.298	.165
MIN RADIUS	.504	.590	.581
MEAN RADIUS	1.146	1.066	.996
MAX RADIUS	1.913	1.441	1.370
HORIZONTAL SPREAD	3.128	2.779	2.393
VERTICAL SPREAD	2.555	2.166	2.166
EXTREME SPREAD	3.503	2.779	2.527
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

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CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 1.925

VS= 3.346

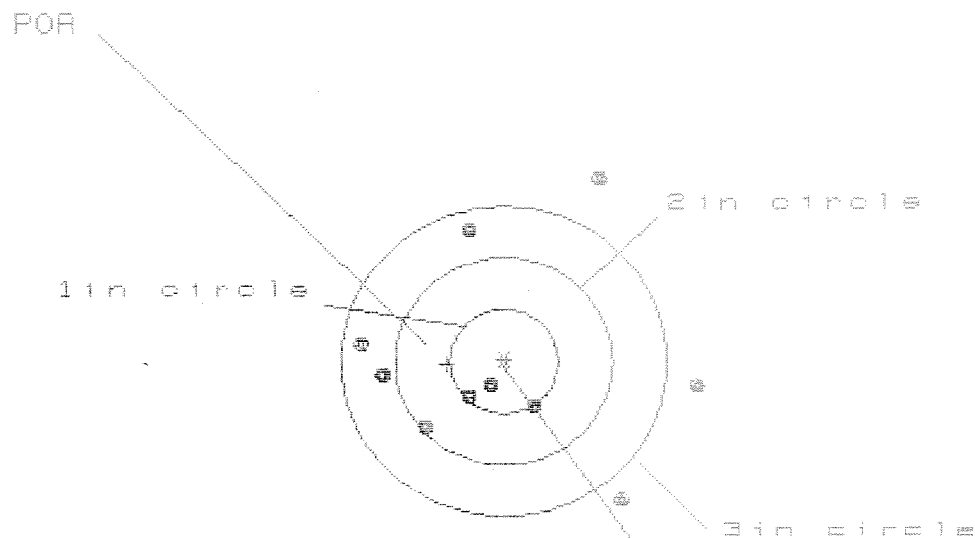
GS= 3.347

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.161	1.086	.981
MINIMUM X	-.764	-.839	-.651
MAXIMUM Y	1.727	.880	.702
MINIMUM Y	-1.619	-1.427	-.859
CENTROID X	-.058	.017	.122
CENTROID Y	-.090	-.282	-.104
POA TO CENTROID in.	.107	.283	.160
MIN RADIUS	.422	.352	.311
MEAN RADIUS	.928	.813	.692
MAX RADIUS	1.856	1.655	.991
HORIZONTAL SPREAD	1.925	1.925	1.632
VERTICAL SPREAD	3.346	2.307	1.561
EXTREME SPREAD	3.347	2.599	1.633
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	8	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 3.114

VS= 3.038

GS= 3.144

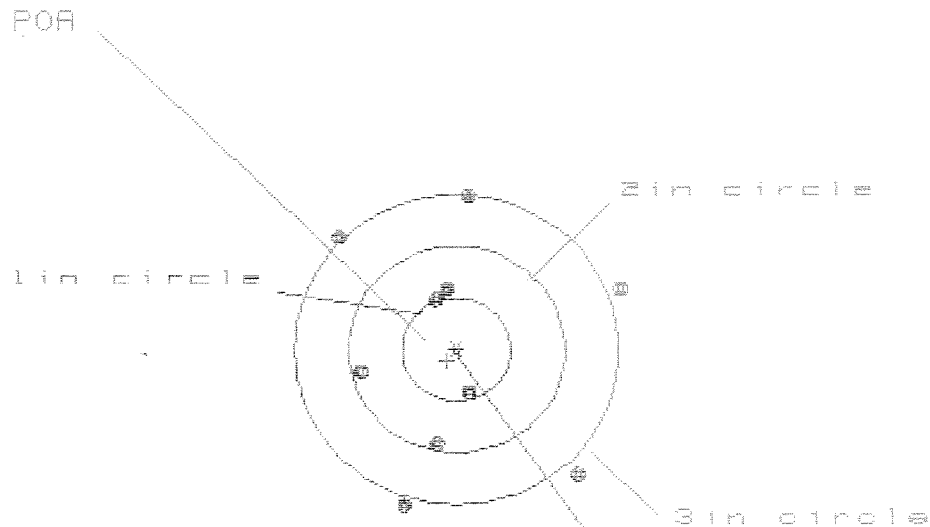
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.767	1.866	1.399
MINIMUM X	-1.347	-1.248	-1.014
MAXIMUM Y	1.749	1.502	1.499
MINIMUM Y	-1.289	-1.095	-1.098
CENTROID X	.523	.424	.190
CENTROID Y	.029	-.165	-.162
POR TO CENTROID in.	.524	.455	.250
MIN RADIUS	.294	.077	.105
MEAN RADIUS	1.141	.976	.828
MAX RADIUS	1.964	1.867	1.778
HORIZONTAL SPREAD	3.114	3.114	2.413
VERTICAL SPREAD	3.038	2.597	2.597
EXTREME SPREAD	3.144	3.144	2.968
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 3

HS= 2.576

VS= 2.990

GS= 3.147

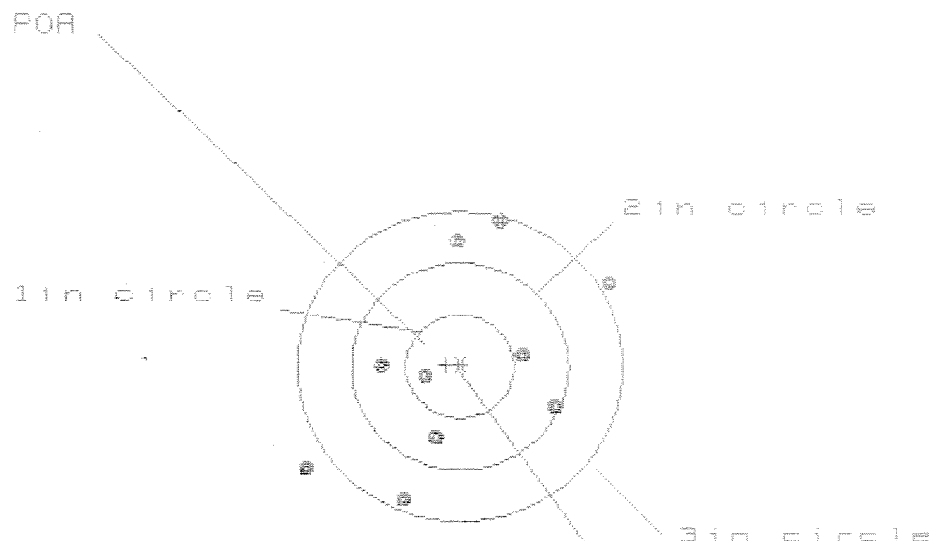
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.513	1.635	.453
MINIMUM X	:	-1.063	-.941	-.737
MAXIMUM Y	:	1.489	1.355	1.409
MINIMUM Y	:	-1.501	-1.635	-1.581
CENTROID X	:	.088	-.034	-.238
CENTROID Y	:	.109	.243	.189
POA TO CENTROID in.	:	.140	.246	.304
MIN RADIUS	:	.439	.340	.433
MEAN RADIUS	:	1.123	1.043	.953
MAX RADIUS	:	1.634	1.691	1.591
HORIZONTAL SPREAD	:	2.576	2.576	1.190
VERTICAL SPREAD	:	2.990	2.990	2.990
EXTREME SPREAD	:	3.147	3.056	3.056
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.774

VS= 2.693

GS= 3.294

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.383	1.229	.837
MINIMUM X	-1.391	-.830	-.676
MAXIMUM Y	1.372	1.265	1.352
MINIMUM Y	-1.321	-1.428	-1.341
CENTROID X	.126	.280	.126
CENTROID Y	-.016	.091	.004
POA TO CENTROID in.	.127	.295	.127
MIN RADIUS	.340	.438	.346
MEAN RADIUS	1.064	.994	.919
MAX RADIUS	1.695	1.576	1.436
HORIZONTAL SPREAD	2.774	2.059	1.513
VERTICAL SPREAD	2.693	2.693	2.693
EXTREME SPREAD	3.294	2.849	2.832
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	