

C6225557

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: RE00154261

Serial: C6225557 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 10/30/2008 8:24:01 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: ISD ARMSROOM

ISD 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
A026	Scope	1
D000	MARS RAIL	1

Repair Search

Refresh

Close

naglelj

10/30/2008

12:42 PM

CAPS

NUM

INS

SCPL

start

6M

2T

6M

P...

D...

A...

A...

U...

6M

6M

6M

Serial
Number:

C6225557

Model: M24 SWS



RE00154261

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

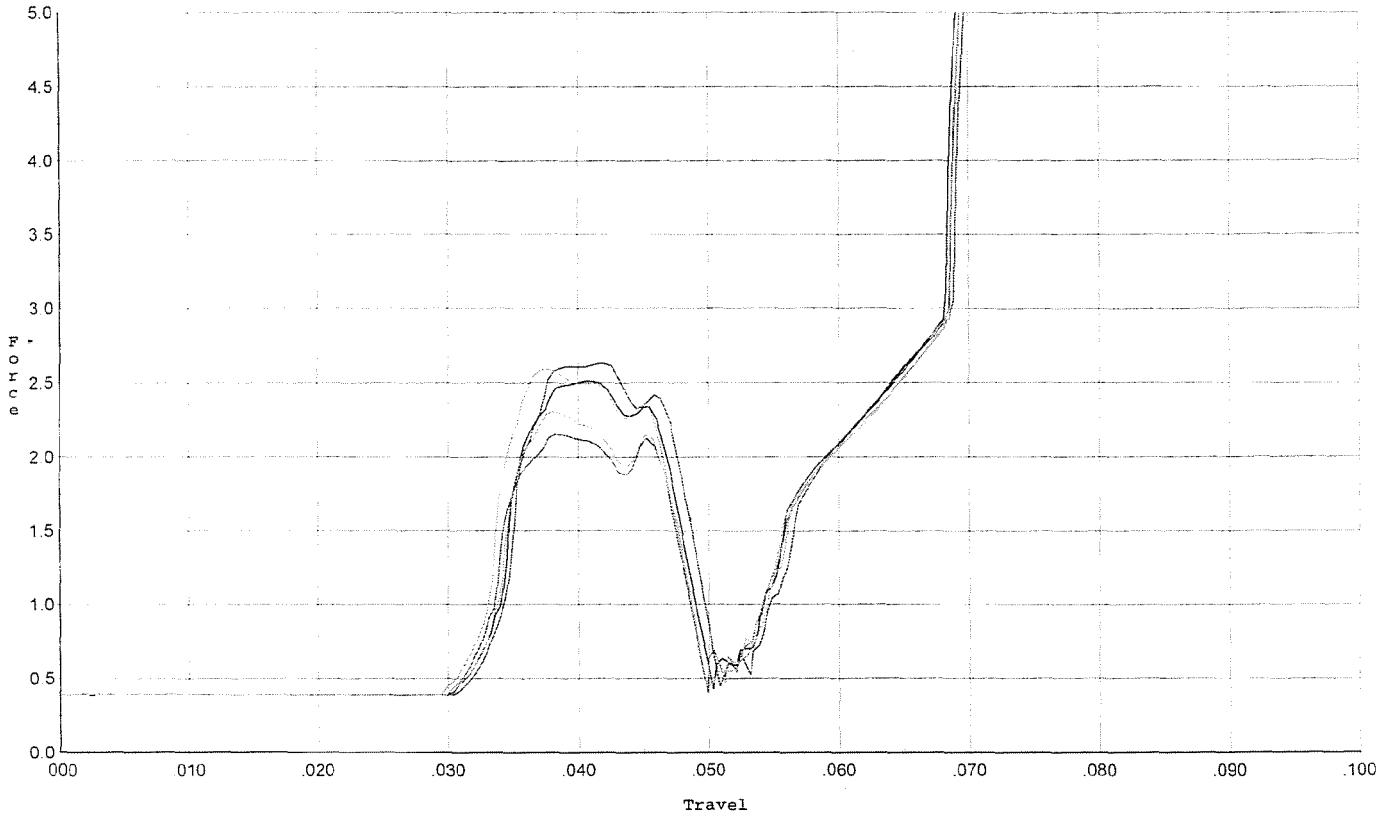
R & E NUMBER 154261
SERIAL NUMBER C6225557
LOG-IN DATE 10-30-08

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-6-08	RTZ
505	RE-BARREL		11-7-08	RTZ
560	ASSEMBLE		11-7-08	RTZ
600	PROOF		11-11-08	SPD
605	CHECK HEADSPACE		11-11-08	SPD
610	DIS-ASSEMBLE GUN		11-11-08	SPD
612	MAGNAFLUX		11-12-08	S
510	DRILL AND TAP		11-17-08	RT
615	ROLLMARK CALIBER			
618	ROTO-BLAST			
620	APPLY COATINGS		11-21	
625	FINAL ASSEMBLY		12-1-08	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	12-4-08	SPD
650	TARGET	(PASS) FAIL	12-4-08	SPD
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		12-5-08	SPD
	A) HEADSPACE	(PASS) FAIL	12-5-08	SPD
	B) TRIGGER PULL	4.5 LBS MIN 2.50 LBS MAX 4.0 LBS	260 259 254 254 255	12-5-08 SPD
	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	49 39 30	12-5-08 SPD
	G) SAFETY OFF FORCE	2 LBS	49 40 40	12-5-08 SPD
	I) FIRING PIN INDENT	.020	.021 .021 .021	12-5-08 SPD
690	PACK		12-7-08	Fm

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 10/30/2008

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



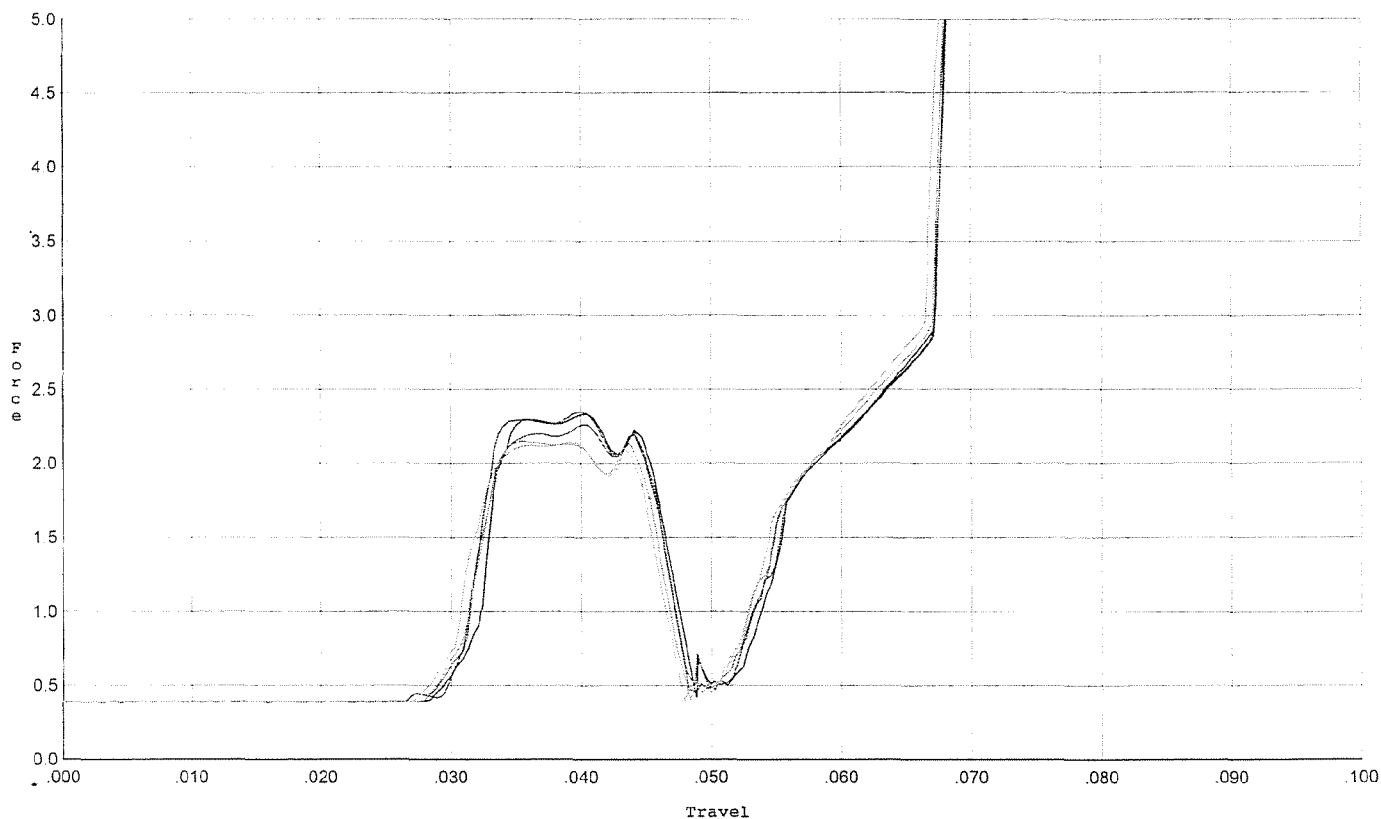
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.630	0.049	0.033	0.028	0.047		Set Trigger
2	2.512	0.047	0.032	0.028	0.044		Set Trigger
3	2.153	0.048	0.032	0.029	0.042		Set Trigger
4	2.595	0.048	0.031	0.028	0.047		Set Trigger
5	2.307	0.048	0.032	0.028	0.042		Set Trigger

A2-43

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: C Schults 10/30/2008

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



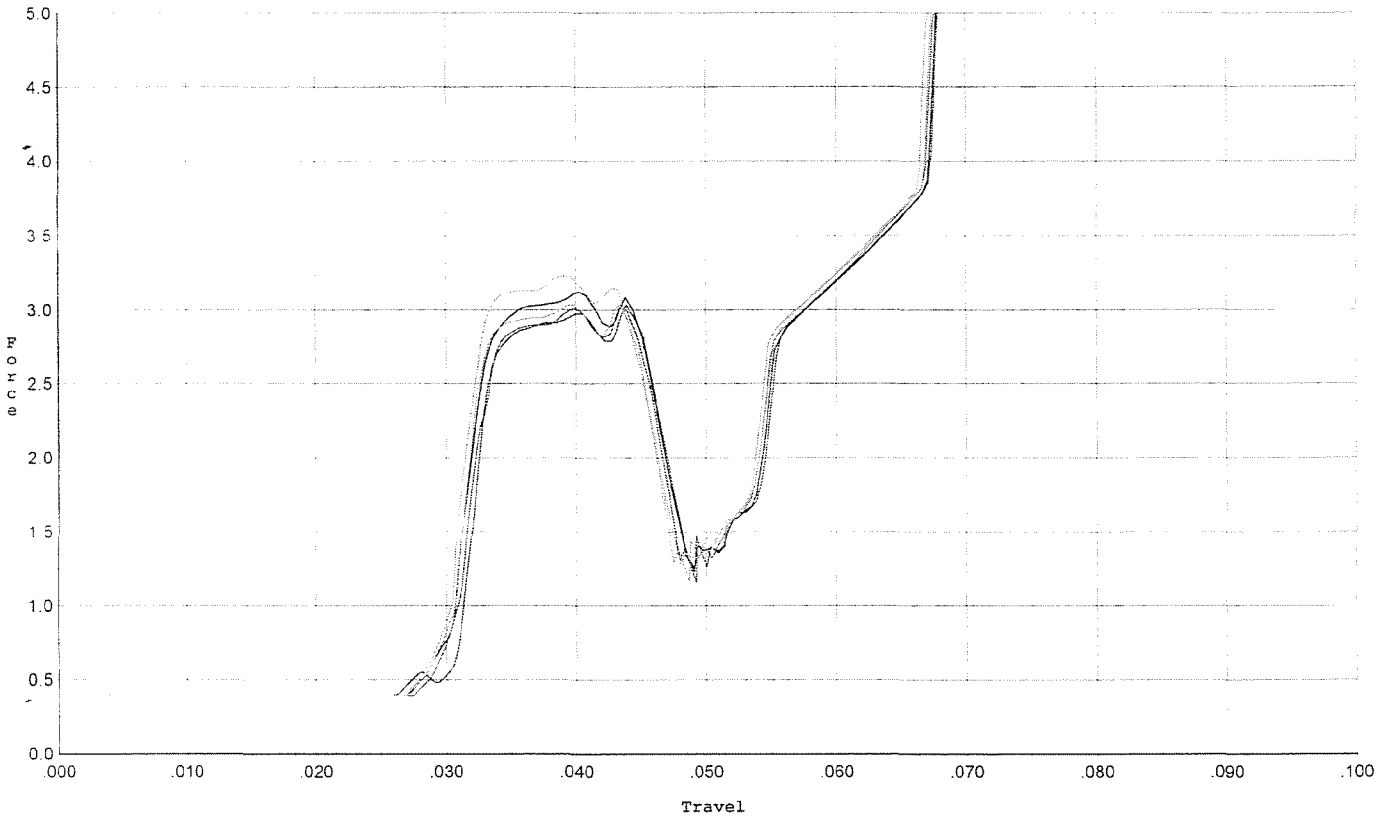
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.343	0.046	0.030	0.029	0.044		Set Trigger
2	2.331	0.047	0.031	0.028	0.044		Set Trigger
3	2.261	0.046	0.030	0.029	0.043		Set Trigger
4	2.140	0.045	0.029	0.029	0.041		Set Trigger
5	2.146	0.045	0.029	0.029	0.041		Set Trigger

A-2-24

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: C Schults 10/30/2008

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



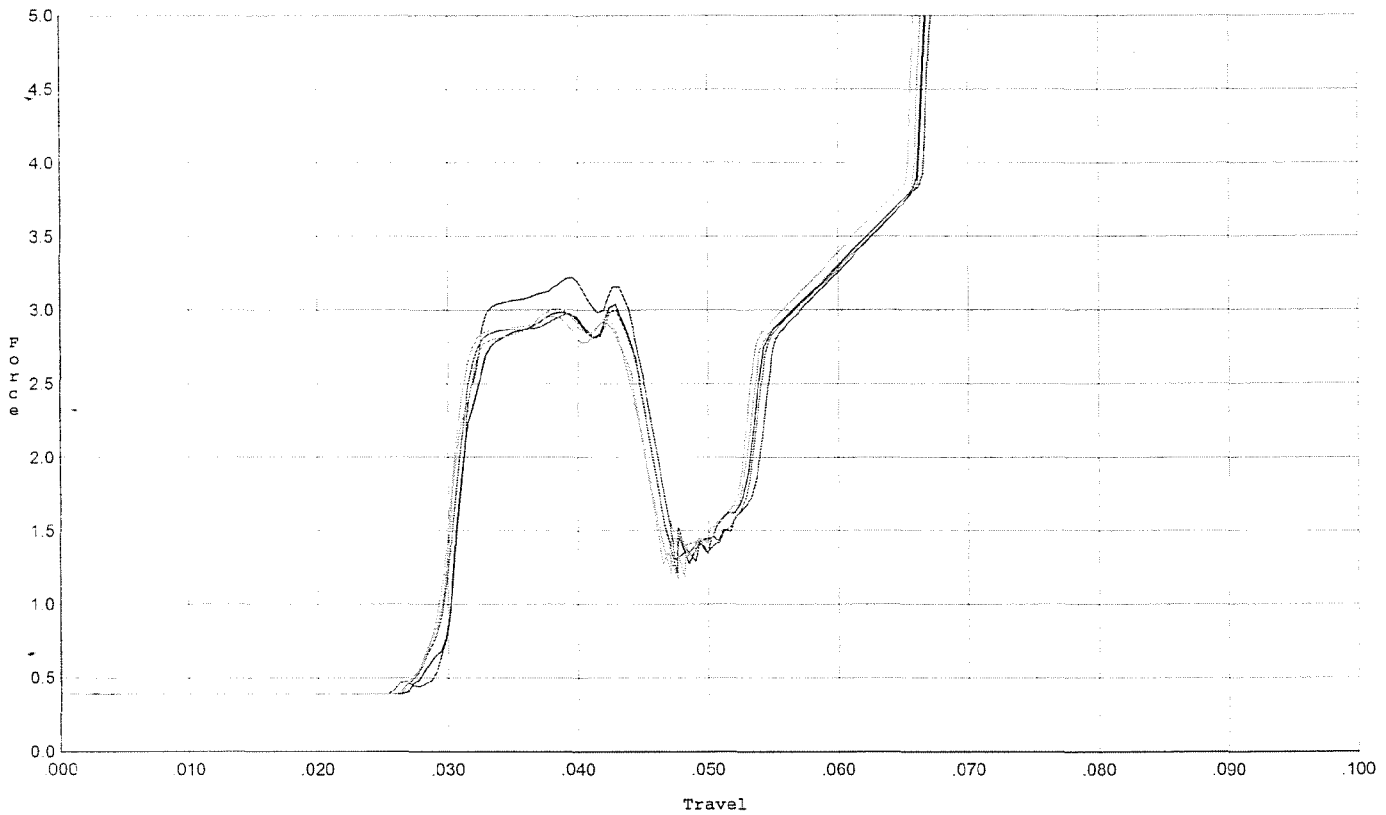
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.037	0.045	0.031	0.027	0.053		Set Trigger
2	3.119	0.045	0.029	0.027	0.055		Set Trigger
3	3.017	0.046	0.029	0.027	0.054		Set Trigger
4	3.039	0.045	0.029	0.028	0.054		Set Trigger
5	3.231	0.045	0.029	0.027	0.056		Set Trigger

A-3-08

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: C Schults 10/30/2008

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



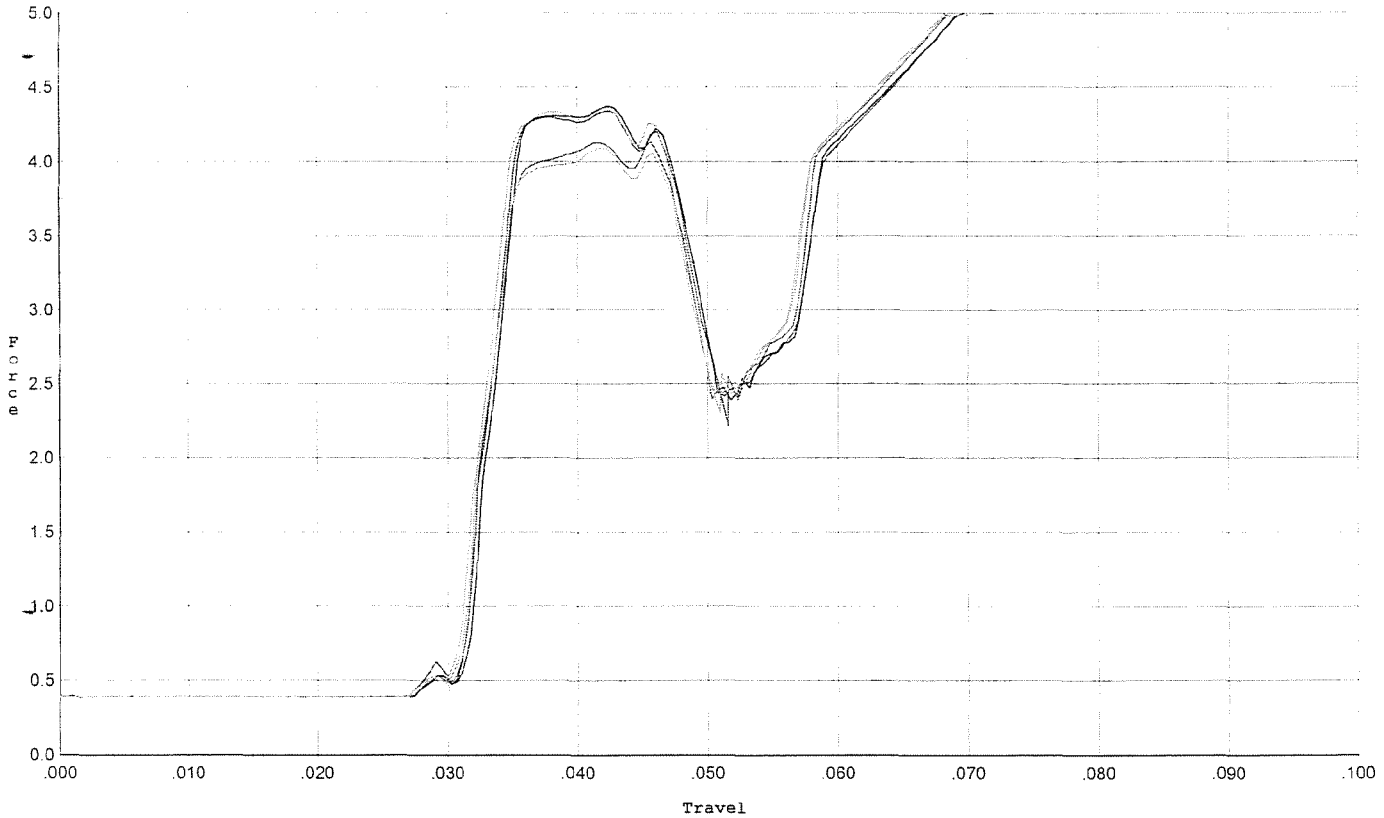
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.218	0.045	0.029	0.027	0.057		Set Trigger
2	3.038	0.044	0.029	0.027	0.053		Set Trigger
3	3.000	0.044	0.027	0.027	0.054		Set Trigger
4	3.012	0.044	0.028	0.028	0.053		Set Trigger
5	2.952	0.044	0.027	0.027	0.053		Set Trigger

A3.04

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: C Schults 10/30/2008

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



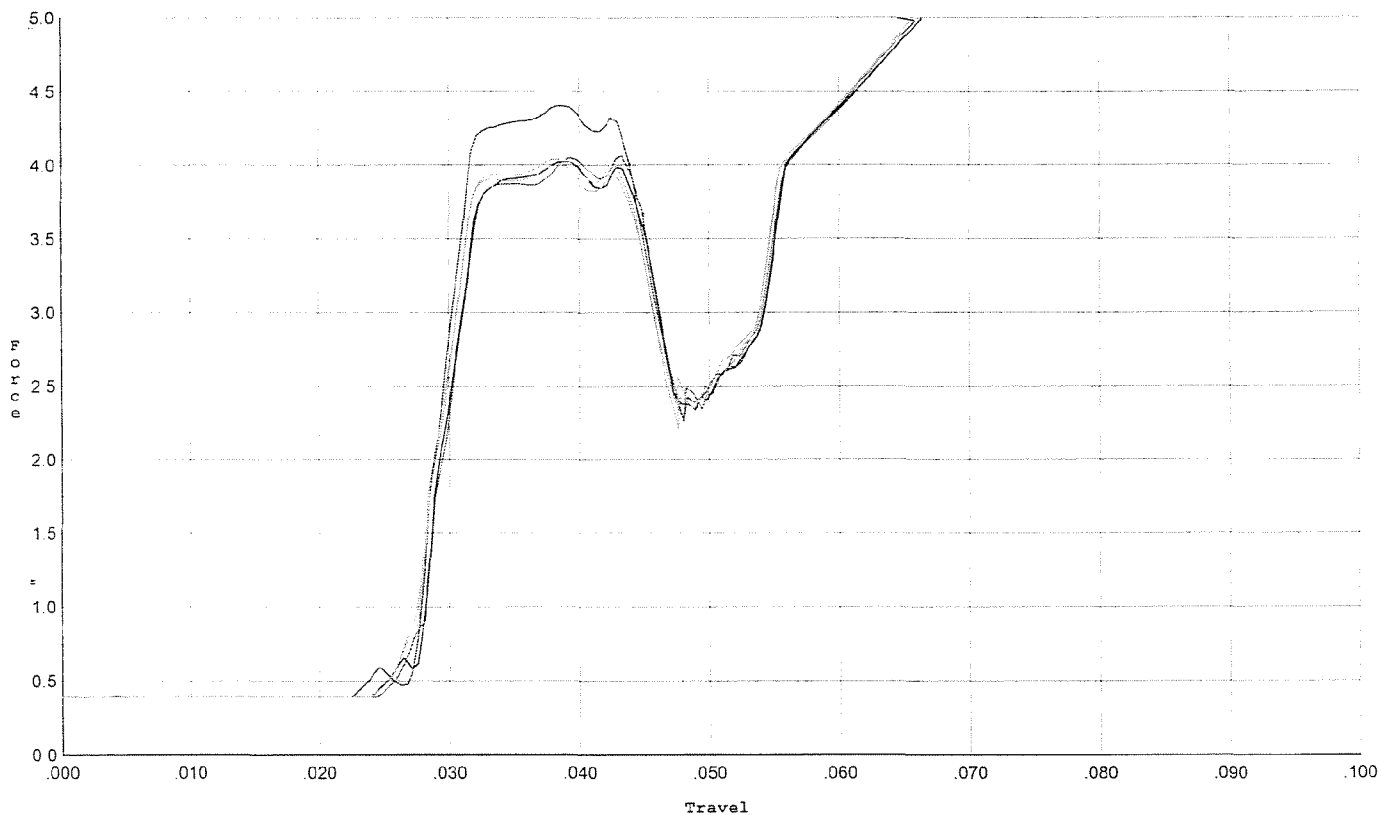
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.345	0.048	0.029	0.026	0.078		Set Trigger
2	4.374	0.049	0.031	0.025	0.080		Set Trigger
3	4.133	0.048	0.031	0.025	0.076		Set Trigger
4	4.093	0.047	0.031	0.026	0.073		Set Trigger
5	4.364	0.049	0.030	0.025	0.080		Set Trigger

A-4-26

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: C Schults 10/30/2008

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



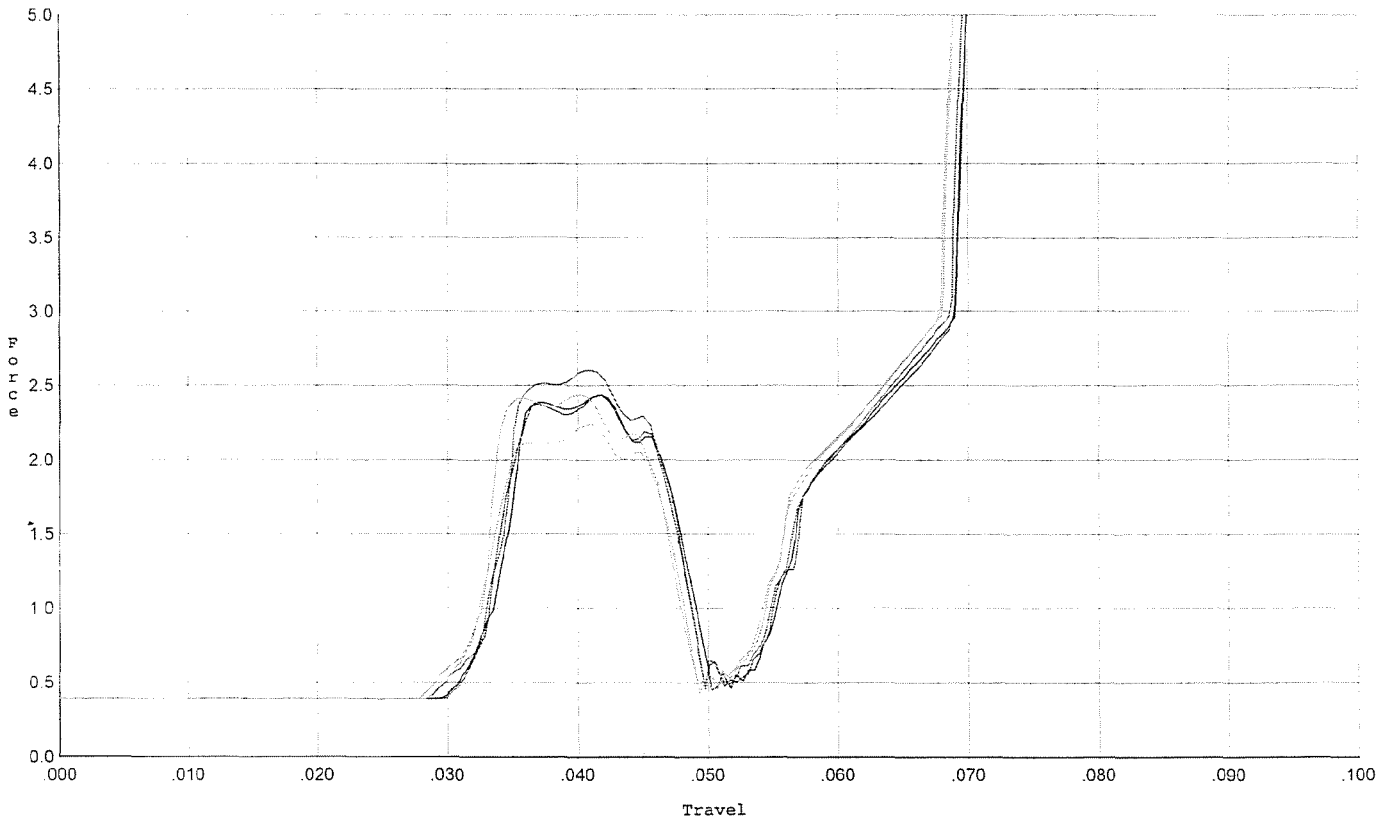
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.403	0.044	0.027	0.026	0.077		Set Trigger
2	4.020	0.045	0.026	0.025	0.074		Set Trigger
3	4.066	0.045	0.026	0.026	0.074		Set Trigger
4	4.040	0.044	0.026	0.026	0.074		Set Trigger
5	3.999	0.045	0.026	0.026	0.073		Set Trigger

A-4-10

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 10/30/2008

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



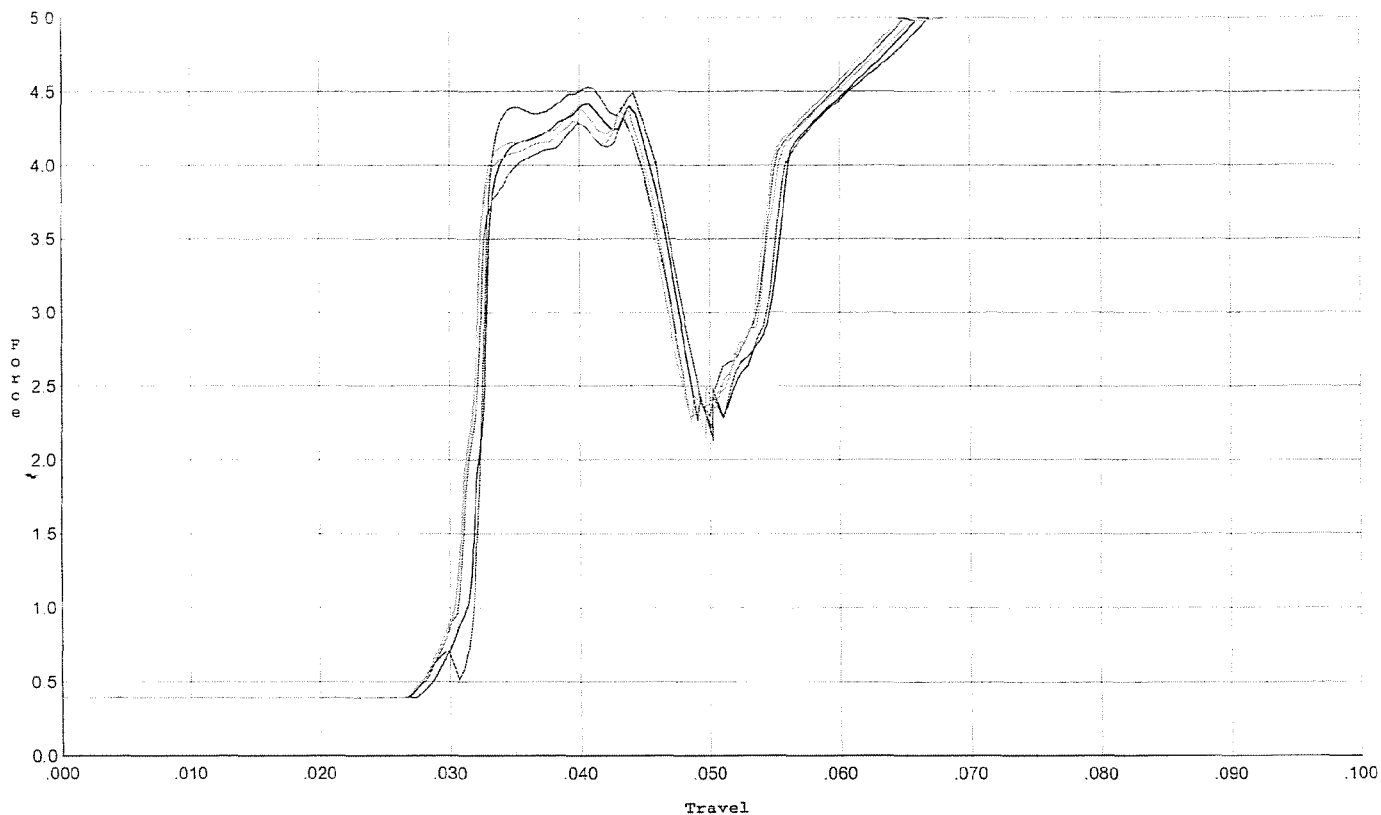
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.436	0.048	0.032	0.029	0.045		Set Trigger
2	2.436	0.049	0.031	0.028	0.046		Set Trigger
3	2.602	0.047	0.033	0.029	0.046		Set Trigger
4 -	2.242	0.047	0.031	0.028	0.043		Set Trigger
5	2.439	0.046	0.031	0.029	0.044		Set Trigger

A-2.43

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 10/30/2008

Model: M/24
Serial No: Form #F005
Trigger: set to 4.0 lbs ini +/- 1.0 lb for final test



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.528	0.046	0.028	0.025	0.076		Set Trigger
2	4.420	0.047	0.029	0.025	0.075		Set Trigger
3	4.313	0.046	0.029	0.025	0.074		Set Trigger
4	4.405	0.046	0.029	0.025	0.076		Set Trigger
5	4.365	0.045	0.029	0.025	0.073		Set Trigger

A 4.410

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225557.___0

FILE DATE AND TIME: 12/05/2008 09:20

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.009
The Average Y Centroid of the Five Target Set:	0.034
The Average Point of Impact of the Five Target Set:	0.035
The Average Mean Radius of the Five Target Set:	0.628
The Distance from POA to Centroid Target #1:	0.374
The Distance from Centroid Target #2 to Centroid Target #1:	0.415
The Distance from Centroid Target #3 to Centroid Target #1:	0.671
The Distance from Centroid Target #4 to Centroid Target #1:	0.456
The Distance from Centroid Target #5 to Centroid Target #1:	0.319

SERIAL NUMBER: C6225557. __0

TARGET NUMBER: 1

FILE DATE: 12/05/2008

FILE TIME: 09:20

X CENTROID: 0.095

Y CENTROID: 0.362

POA TO CENTROID: 0.374

HORZ SPREAD: 0.960

VERT SPREAD: 1.577

GROUP SPREAD: 1.643

MIN RADIUS: 0.178

MAX RADIUS: 0.879

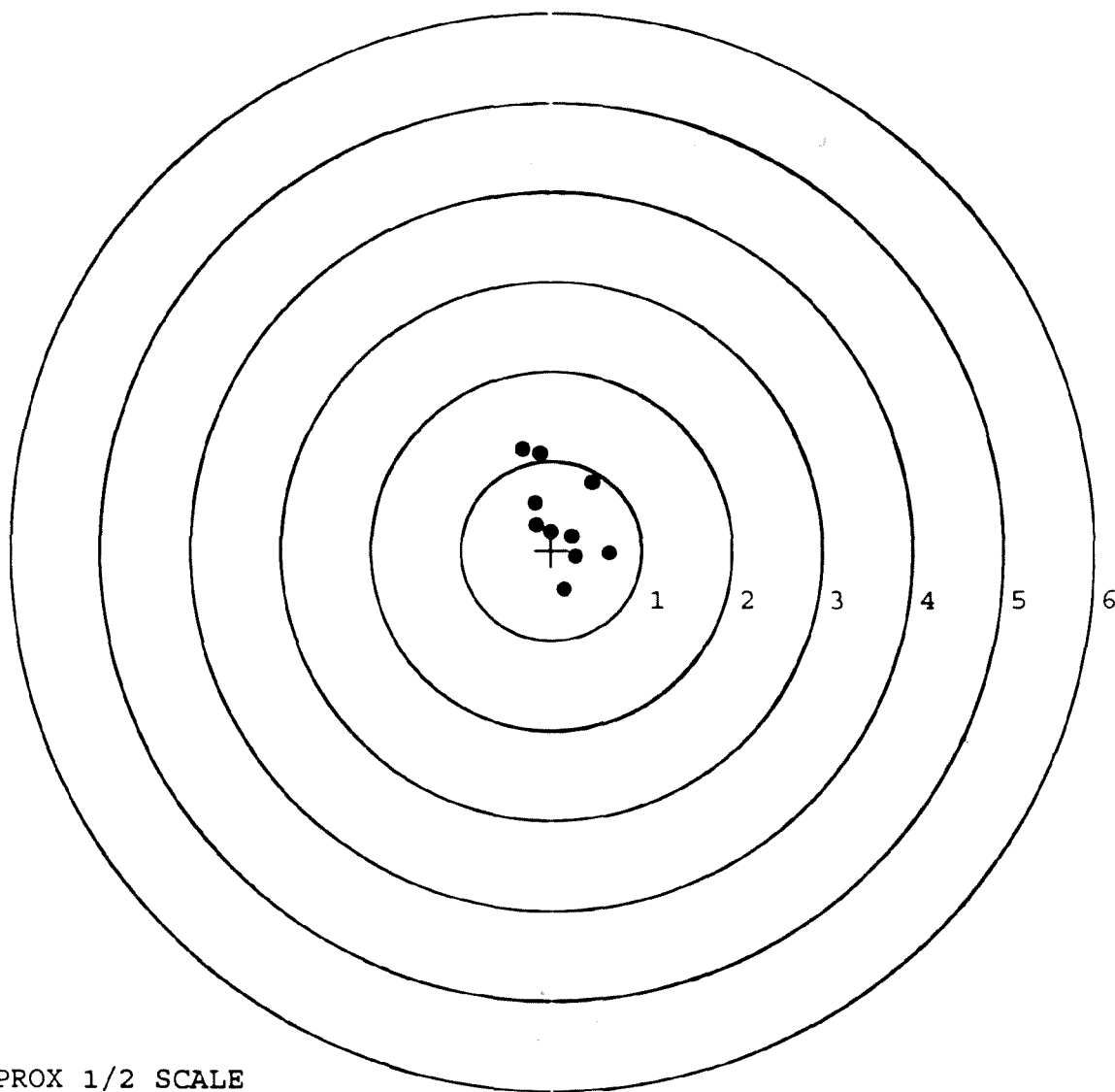
MEAN RADIUS: 0.513

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.317	1.138
2:	-0.122	1.087
3:	0.454	0.759
4:	-0.180	0.531
5:	-0.162	0.281
6:	0.001	0.211
7:	0.224	0.160
8:	0.269	-0.075
9:	0.643	-0.036
10:	0.145	-0.439

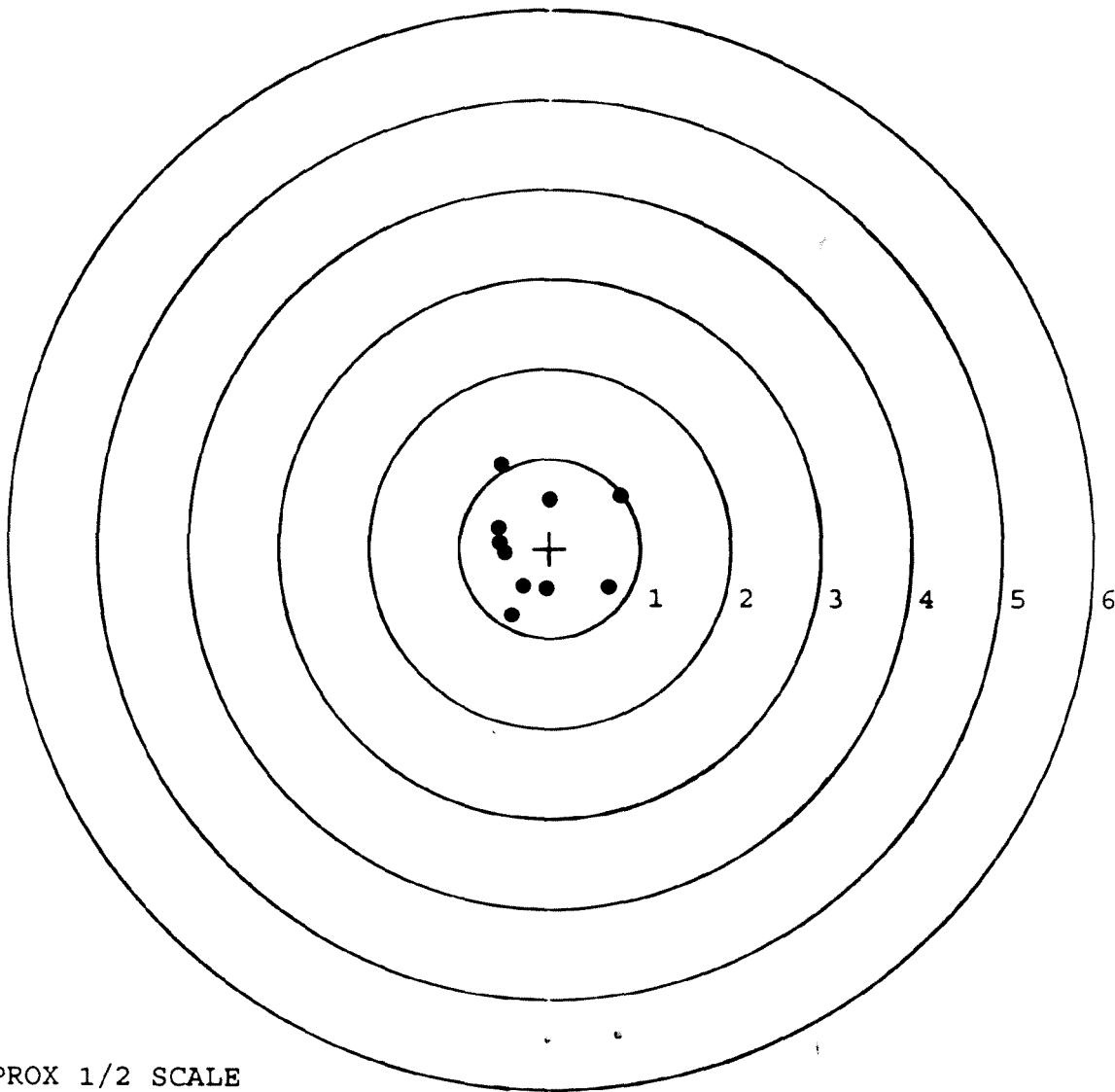


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225557. __0
TARGET NUMBER: 2
FILE DATE: 12/05/2008
FILE TIME: 09:20

POINT#	X	Y
1:	-0.538	0.935
2:	-0.002	0.552
3:	0.782	0.593
4:	0.652	-0.434
5:	-0.036	-0.447
6:	-0.299	-0.427
7:	-0.421	-0.750
8:	-0.496	-0.059
9:	-0.553	0.061
10:	-0.566	0.233

X CENTROID: -0.148
Y CENTROID: 0.026
POA TO CENTROID: 0.150
HORZ SPREAD: 1.348
VERT SPREAD: 1.685
GROUP SPREAD: 1.803
MIN RADIUS: 0.358
MAX RADIUS: 1.089
MEAN RADIUS: 0.656
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

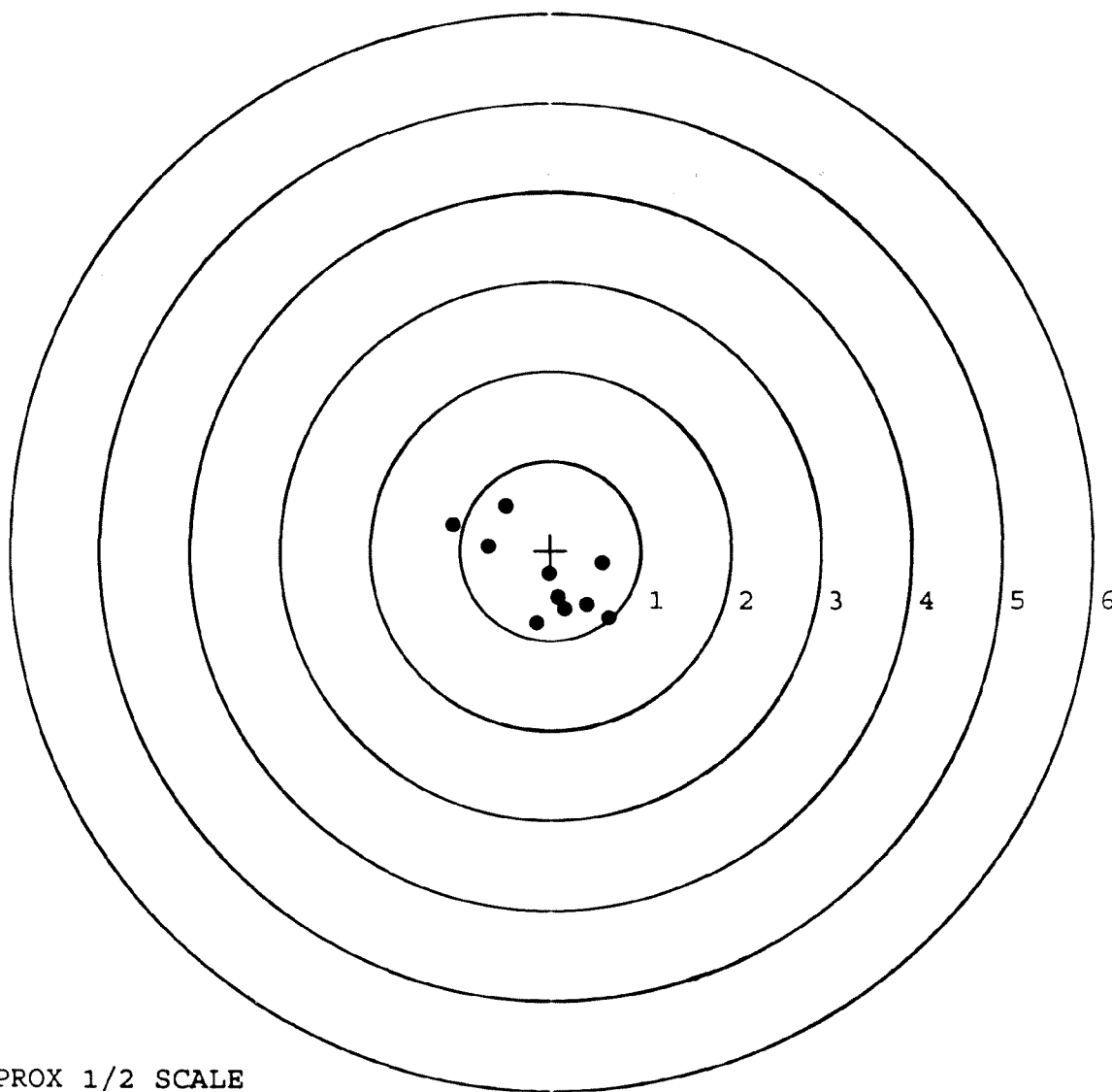


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225557. __0
 TARGET NUMBER: 3
 FILE DATE: 12/05/2008
 FILE TIME: 09:20

X CENTROID: -0.059
 Y CENTROID: -0.291
 POA TO CENTROID: 0.297
 HORZ SPREAD: 1.730
 VERT SPREAD: 1.307
 GROUP SPREAD: 2.018
 MIN RADIUS: 0.049
 MAX RADIUS: 1.179
 MEAN RADIUS: 0.613
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.085	0.289
2:	-0.500	0.495
3:	-0.693	0.052
4:	-0.018	-0.265
5:	0.085	-0.524
6:	0.157	-0.659
7:	-0.158	-0.812
8:	0.402	-0.600
9:	0.645	-0.750
10:	0.578	-0.140

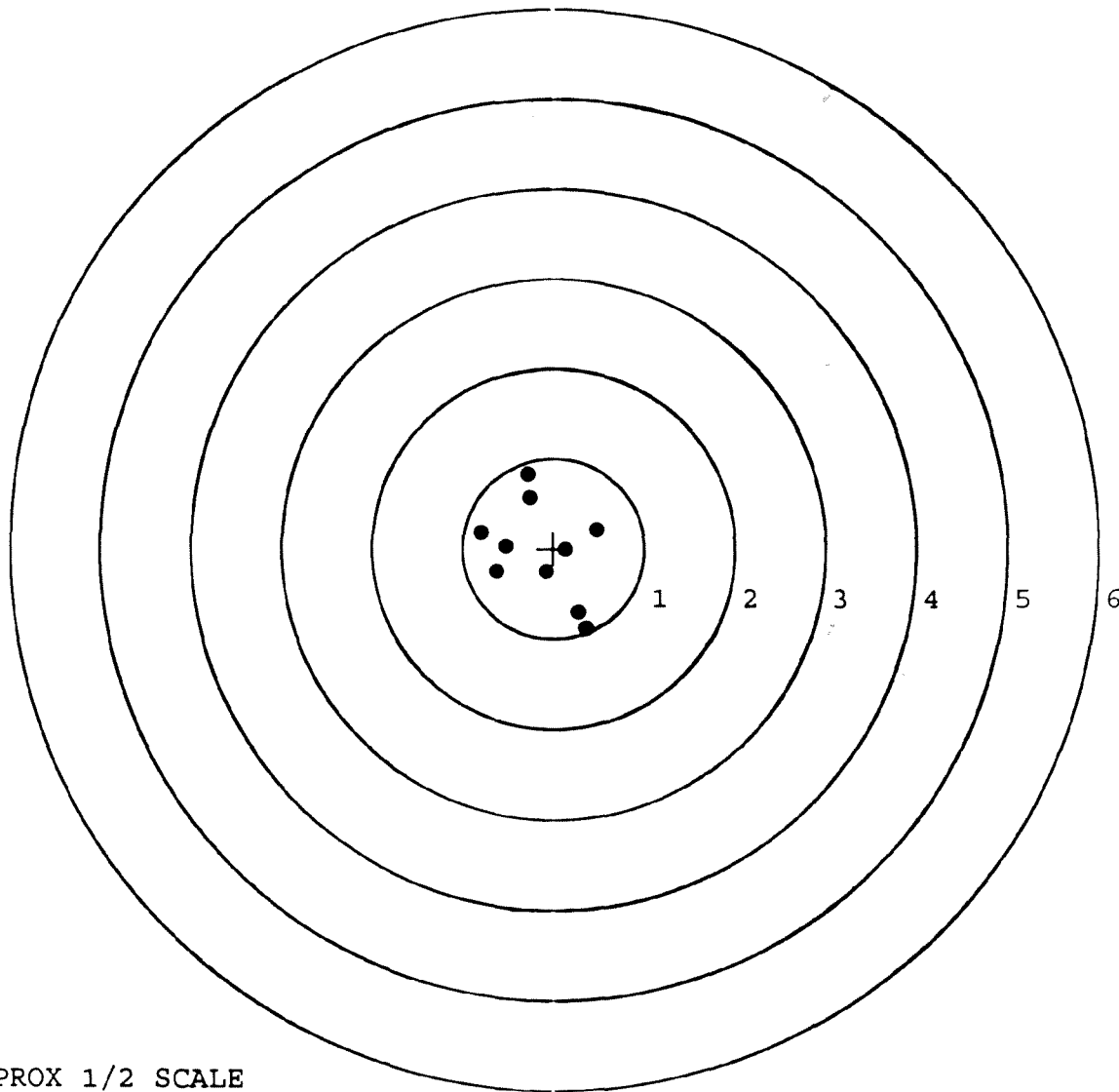


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225557. __0
TARGET NUMBER: 4
FILE DATE: 12/05/2008
FILE TIME: 09:20

X CENTROID: -0.133
Y CENTROID: -0.033
POA TO CENTROID: 0.137
HORZ SPREAD: 1.280
VERT SPREAD: 1.711
GROUP SPREAD: 1.827
MIN RADIUS: 0.235
MAX RADIUS: 0.989
MEAN RADIUS: 0.606
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.281	0.821
2:	-0.266	0.566
3:	-0.802	0.174
4:	-0.525	0.032
5:	-0.624	-0.255
6:	-0.081	-0.262
7:	0.135	-0.016
8:	0.478	0.213
9:	0.274	-0.710
10:	0.359	-0.890

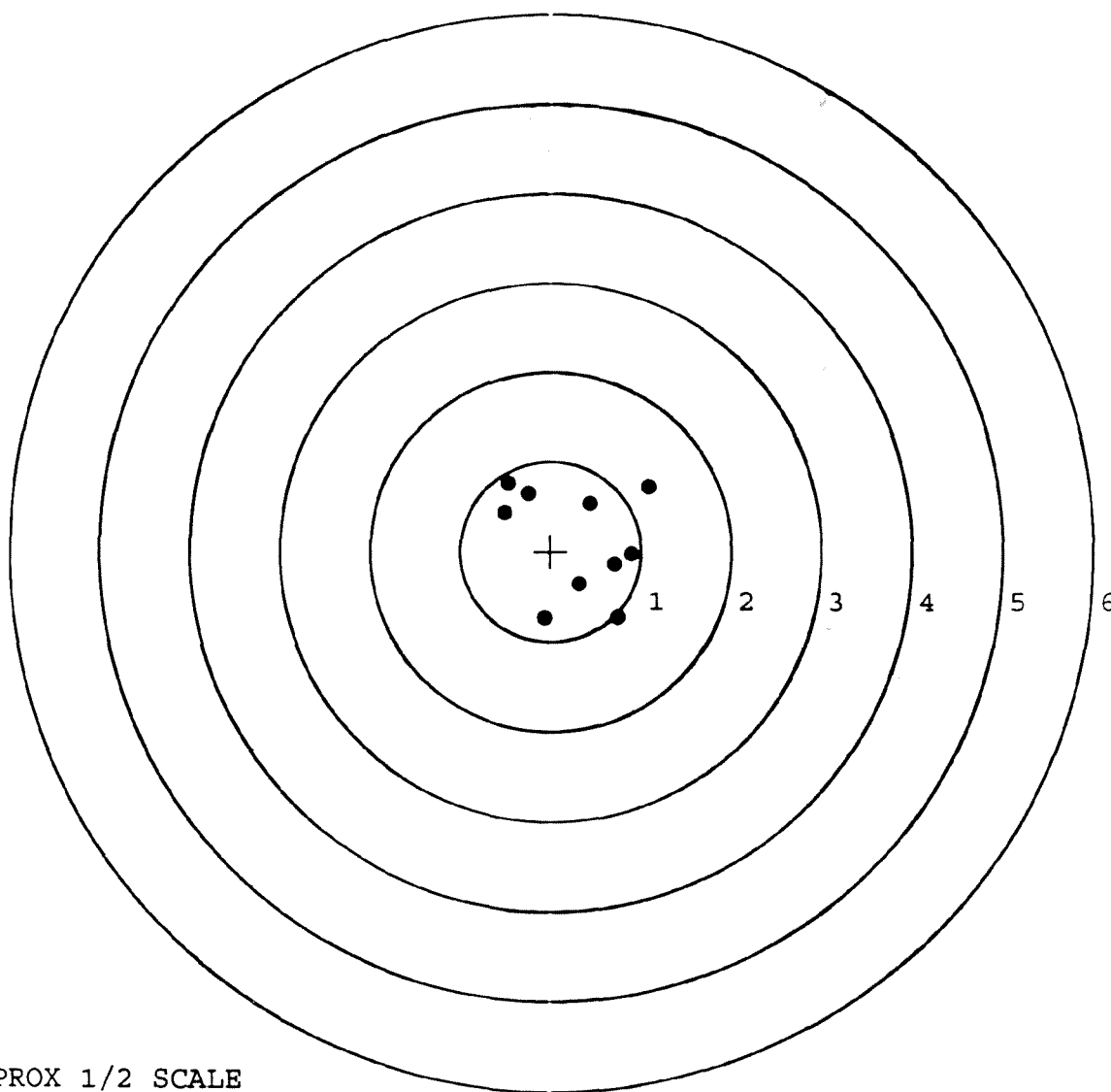


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225557. __0
TARGET NUMBER: 5
FILE DATE: 12/05/2008
FILE TIME: 09:20

X CENTROID: 0.288
Y CENTROID: 0.107
POA TO CENTROID: 0.307
HORZ SPREAD: 1.594
VERT SPREAD: 1.497
GROUP SPREAD: 1.860
MIN RADIUS: 0.447
MAX RADIUS: 1.002
MEAN RADIUS: 0.753
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.472	0.757
2:	-0.249	0.642
3:	-0.513	0.431
4:	0.434	0.529
5:	1.081	0.720
6:	0.899	-0.033
7:	0.709	-0.140
8:	0.319	-0.369
9:	-0.072	-0.740
10:	0.743	-0.728



TARGET APPROX 1/2 SCALE



MODEL 700™ H24

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

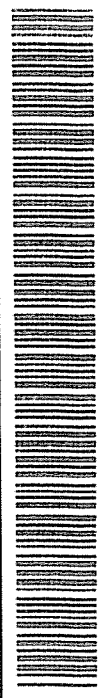


REG. U.S. PAT. & T.M. OFF.

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

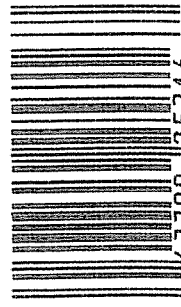
SERIAL NO.
C6225557

ORDER NO.
5716



5716 C6225557

UPC



0 47700 25716 7

Scope 0456

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225557

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	12 9 88		RW
600	Proof	12 9 88		RW
607	Check Headspace	12 9 88		RW
610	Dis-assemble Gun	12 9 88		RW
612	Magnaflux Barrel Action	INTERCHANGEABILITY	12.22.88	RJC.
	Magnaflux Bolt		1-3-89	RJC.
615	Rollmark Caliber		12/22/88	M.D.C.
617	Drill and Tap Sight Holes	1 3 89		FB
618	Polish Barrel	12 2 88		WJT
620	Apply Coatings (Barrel Action)		1-18-89	ISA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/23/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/23/89	RW
	C) Inspect Ejector Hole for Chamfer		1/23/89	RW
	D) Oil Firing Pin Ass'y		1/23/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/3/89	RS

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	6	6	6			25 Jan 89	JS
	G) Safety Off Force	4	4	4			25 Jan 89	JS
	H) Trigger Pull Test & Retainability						23 Jan 89	JS
	I) Firing Pin Indent	.021	.0205	.0205			25 Jan 89	JS
	J) Assemble Stock						1/30/89	RW
	K) Assemble Swivel Studs						3 Feb 89	JS
	L) Attach Front and Rear Sight Assemblies						1/30/89	RW
	M) Iron Sight Alignment						1/30/89	RW
	N) Detach Front & Rear Sights & place in numbered container						1/30/89	RW
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times						31 Jan 89	JS
640	Gallery Target & Test	51 R	108 L				1/31/89	AC
	A) Time						"	AC
	B) Malfunctions			NONE			"	AC
	C) Pierced Primers			NONE			"	AC
	D) Optical Clarity of Scope			OK			1/31/89	AC
645	Inspect for Live Ammo			NONE			1/31/89	AC
655	Final Inspection							
	A) Headspace						3 Feb 89	JS
	B) Trigger Pull	2.34	2.35	2.37	2.32	2.32	3 Feb 89	JS
	C) Function						3 Feb 89	JS
660	Pack						22 Mar 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 6225557

DATE 4-6-90

TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.43	2.39	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.37	2.46	
PULL #3	2.39	2.31	2.46	
PULL #4	2.33	2.22	2.43	
PULL #5	2.30	2.38	2.42	
TOTAL	11.85	11.67	12.29	
AVG.	2.37	2.33	2.45	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.09		
PULL #2	3.16	3.16		
PULL #3	3.10	3.12		
PULL #4	3.13	3.16		
PULL #5	3.14	3.01		
TOTAL	15.71	15.54		
AVG.	3.14	3.11		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.36		
PULL #2	4.40	4.40		
PULL #3	4.43	4.37		
PULL #4	4.40	4.36		
PULL #5	4.44	4.38		
TOTAL	22.03	21.87		
AVG.	4.41	4.37		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225557
2 Feb 1989

CENTROIDAL DISTANCES

0 TO	1	.504386
1 TO	2	.823253
1 TO	3	.356585
1 TO	4	.47555
1 TO	5	.396073

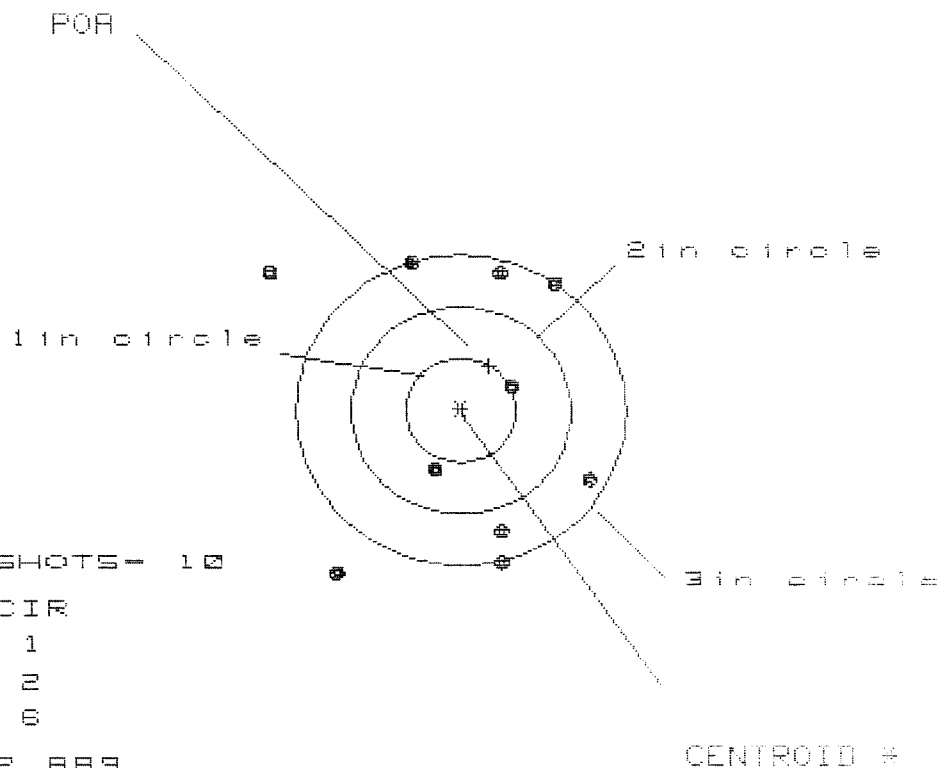
$\frac{\sum x^2}{n}$ (----POA
14

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0134
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1744
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .174914
THE AMR FOR THIS RIFLE IS: 1.157

31 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225557

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 6

HS= 2.889

VS= 3.004

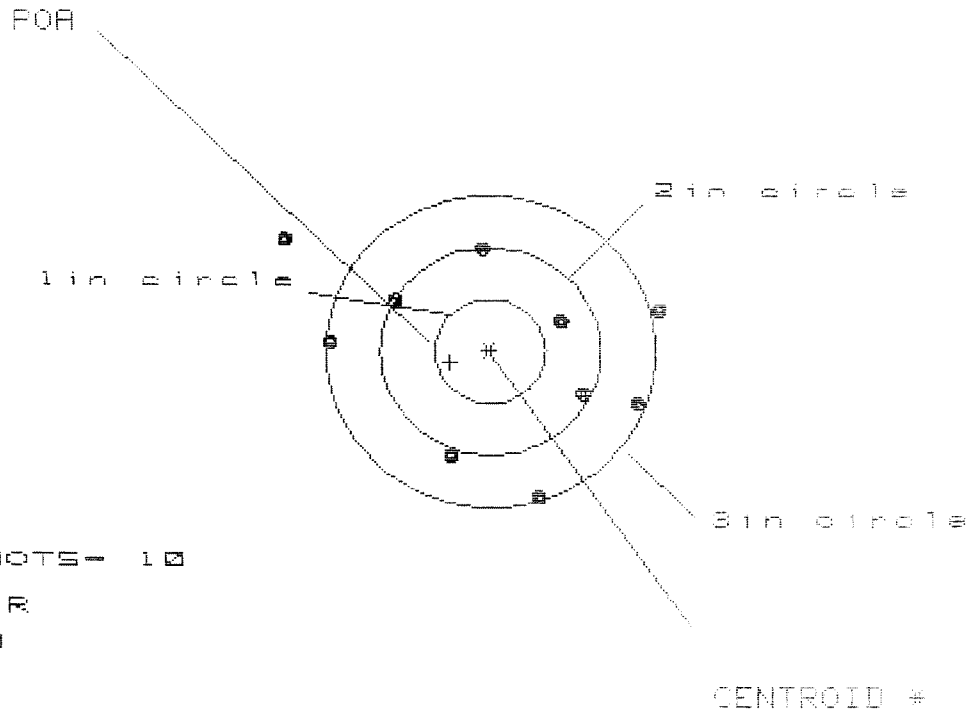
GS= 3.544

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.135	.940	.772
MINIMUM X	-1.754	-1.343	-.799
MAXIMUM Y	1.457	1.605	1.431
MINIMUM Y	-1.547	-1.399	-1.501
CENTROID X	-.262	-.067	.101
CENTROID Y	-.431	-.579	-.405
POA TO CENTROID in.	.504	.583	.417
MIN RADIUS	.487	.454	.227
MEAN RADIUS	1.373	1.243	1.132
MAX RADIUS	2.206	1.939	1.639
HORIZONTAL SPREAD	2.889	2.283	1.572
VERTICAL SPREAD	3.004	3.004	2.932
EXTREME SPREAD	3.544	3.405	3.049
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	6		

31 Jan 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8225557

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 3.423

VS= 2.472

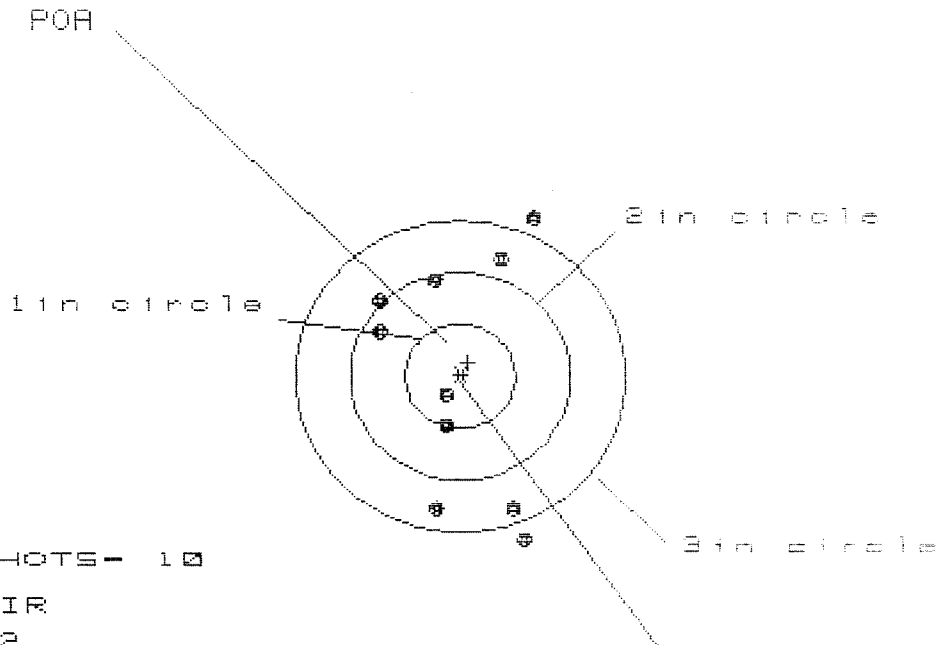
GS= 3.614

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.519	1.307	1.307
MINIMUM X	:	-1.904	-1.687	-1.523
MAXIMUM Y	:	1.072	1.098	1.160
MINIMUM Y	:	-1.400	-1.281	-1.219
CENTROID X	:	.362	.574	.410
CENTROID Y	:	.106	-.013	-.075
POA TO CENTROID in.	:	.377	.574	.417
MIN RADIUS	:	.660	.546	.710
MEAN RADIUS	:	1.278	1.143	1.118
MAX RADIUS	:	2.185	1.703	1.552
HORIZONTAL SPREAD	:	3.423	2.994	2.830
VERTICAL SPREAD	:	2.472	2.379	2.379
EXTREME SPREAD	:	3.614	3.005	2.894
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

31 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225557

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 1.369

VS= 3.043

GS= 3.043

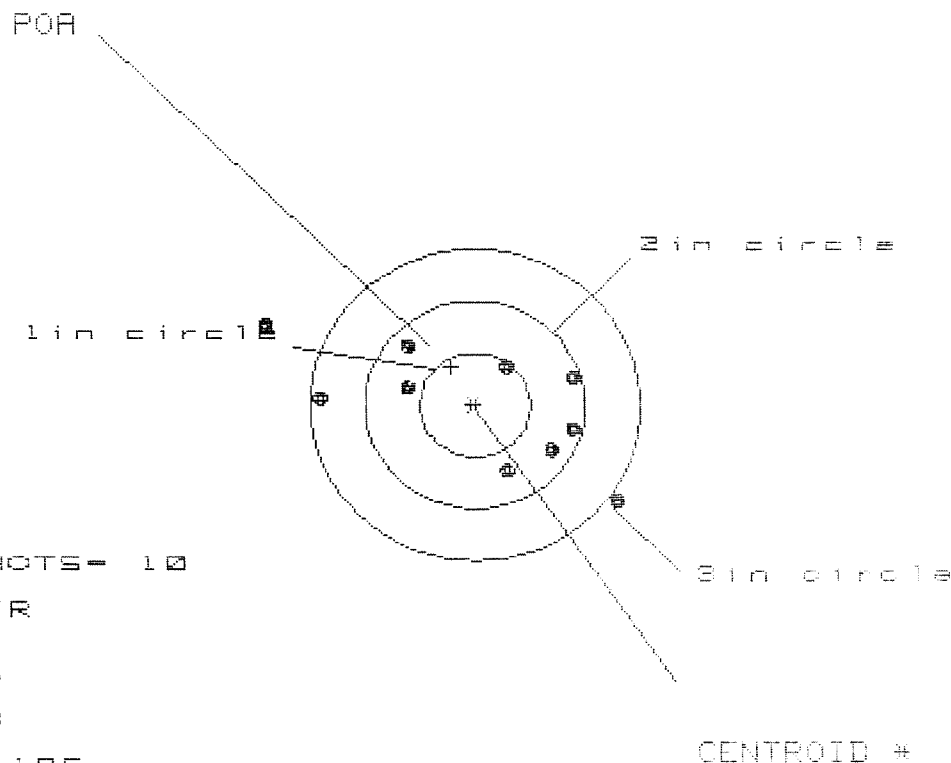
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.627	.693	.632
MINIMUM X	:	-.742	-.676	-.589
MAXIMUM Y	:	1.503	1.331	1.090
MINIMUM Y	:	-1.540	-1.448	-1.291
CENTROID X	:	-.074	-.140	-.227
CENTROID Y	:	-.128	.043	-.124
POA TO CENTROID in.	:	.148	.146	.258
MIN RADIUS	:	.186	.316	.147
MEAN RADIUS	:	1.058	.979	.887
MAX RADIUS	:	1.651	1.547	1.429
HORIZONTAL SPREAD	:	1.369	1.369	1.221
VERTICAL SPREAD	:	3.043	2.779	2.371
EXTREME SPREAD	:	3.043	2.891	2.434
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

31 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225557

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS= 3.188

VS= 1.707

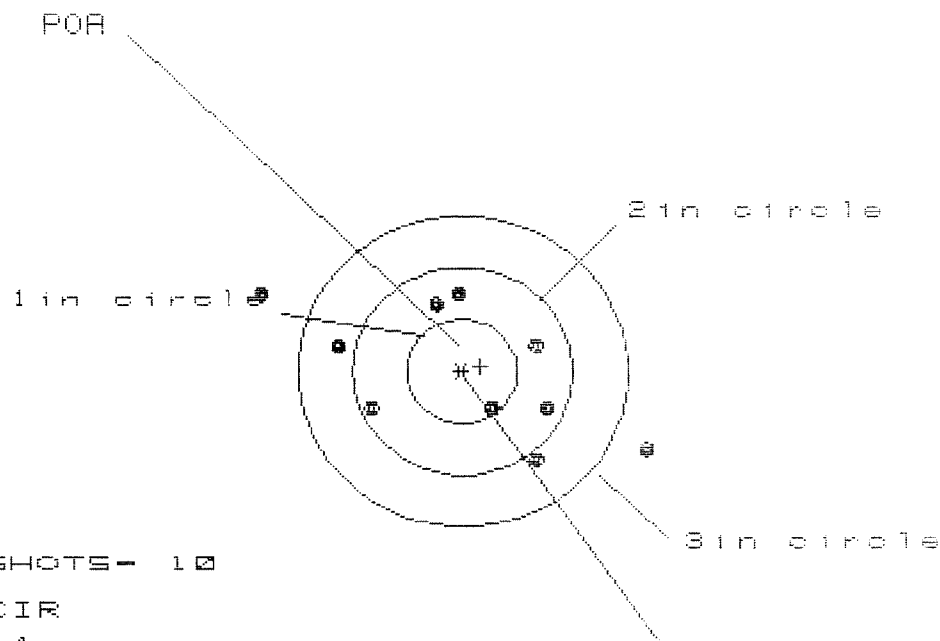
GS= 3.614

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.316	1.108	.861
MINIMUM X	:	-1.870	-1.569	-1.431
MAXIMUM Y	:	.735	.622	.511
MINIMUM Y	:	-.972	-.890	-.685
CENTROID X	:	.210	.418	.280
CENTROID Y	:	-.373	-.455	-.344
POA TO CENTROID in.	:	.428	.618	.443
MIN RADIUS	:	.499	.507	.439
MEAN RADIUS	:	1.039	.900	.835
MAX RADIUS	:	2.010	1.582	1.433
HORIZONTAL SPREAD	:	3.186	2.677	2.292
VERTICAL SPREAD	:	1.707	1.512	1.196
EXTREME SPREAD	:	3.614	2.890	2.316
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

31 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225557

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 3.561

VS= 1.619

GS= 3.860

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.712
MINIMUM X	-1.849
MAXIMUM Y	.768
MINIMUM Y	-.851
CENTROID X	-.169
CENTROID Y	-.046
POA TO CENTROID in.	.175
MIN RADIUS	.446
MEAN RADIUS	1.036
MAX RADIUS	2.002
HORIZONTAL SPREAD	3.561
VERTICAL SPREAD	1.619
EXTREME SPREAD	3.860
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225557
17 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.846676
1 TO	2	1.24925
1 TO	3	.649055
1 TO	4	1.13825
1 TO	5	1.02452

1
2 + <----POA
2

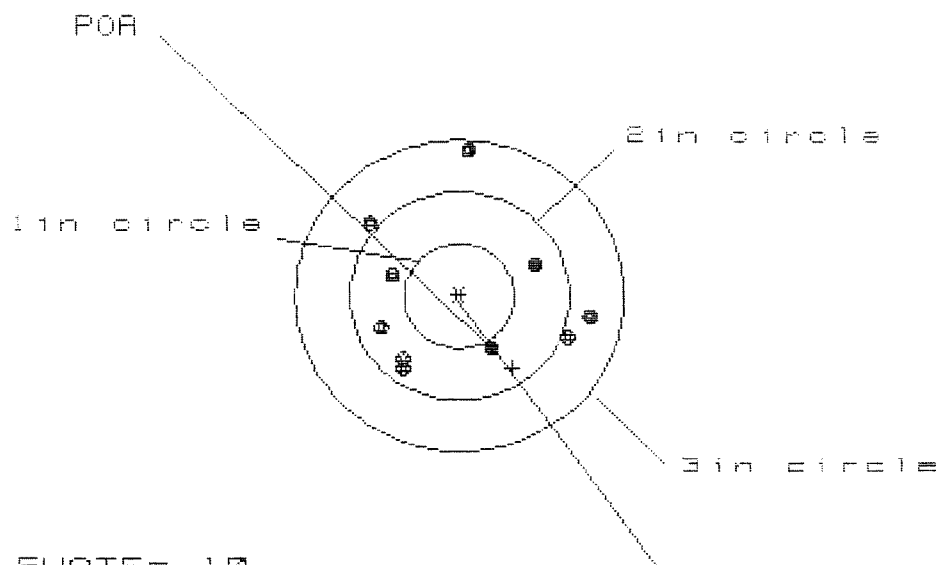
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.7066
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0398
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .70772

THE AMR FOR THIS RIFLE IS: .8008

16 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225557

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 1.969

VS= 2.055

GS= 2.178

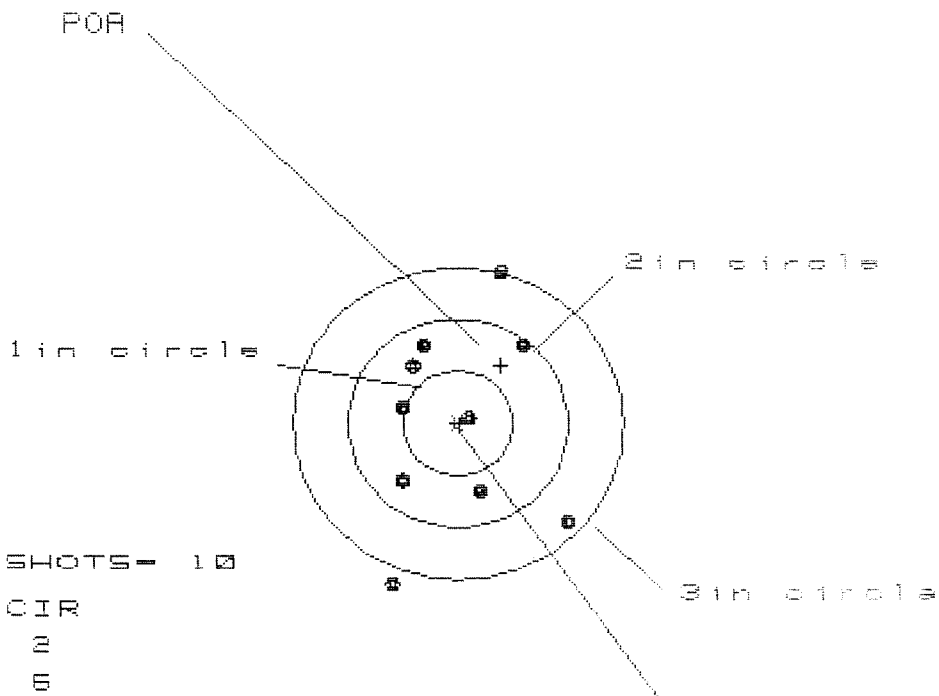
CENTROID X

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.140	1.152	1.091
MINIMUM X	-.829	-.817	-.673
MAXIMUM Y	1.373	.869	.862
MINIMUM Y	-.682	-.530	-.537
CENTROID X	-.485	-.497	-.641
CENTROID Y	.694	.542	.549
POA TO CENTROID in.	.847	.735	.844
MIN RADIUS	.537	.417	.525
MEAN RADIUS	.900	.822	.759
MAX RADIUS	1.377	1.193	1.117
HORIZONTAL SPREAD	1.969	1.969	1.764
VERTICAL SPREAD	2.055	1.399	1.399
EXTREME SPREAD	2.178	2.178	2.080
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

16 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225557

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 1.548

VS= 3.037

GS= 3.193

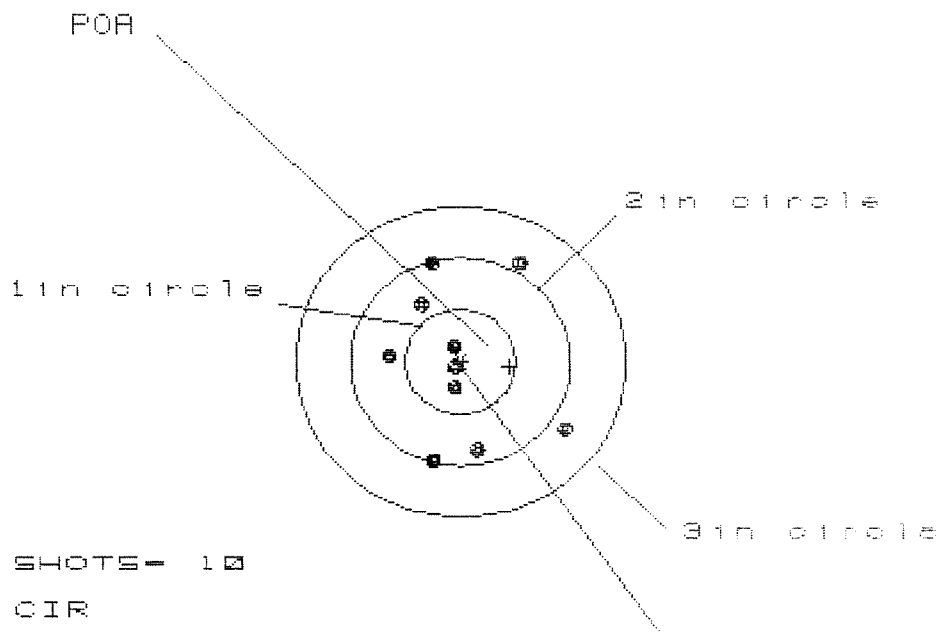
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.980	.917	.961
MINIMUM X	:	-.568	-.530	-.486
MAXIMUM Y	:	1.475	1.302	.779
MINIMUM Y	:	-1.562	-1.128	-.965
CENTROID X	:	-.395	-.332	-.376
CENTROID Y	:	-.552	-.379	-.542
POA TO CENTROID in.	:	.679	.504	.660
MIN RADIUS	:	.117	.105	.096
MEAN RADIUS	:	.907	.812	.734
MAX RADIUS	:	1.662	1.454	1.362
HORIZONTAL SPREAD	:	1.548	1.447	1.447
VERTICAL SPREAD	:	3.037	2.430	1.744
EXTREME SPREAD	:	3.193	2.494	2.136
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

16 Mar 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06225557

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 1.504

VS = 1.861

GS = 2.024

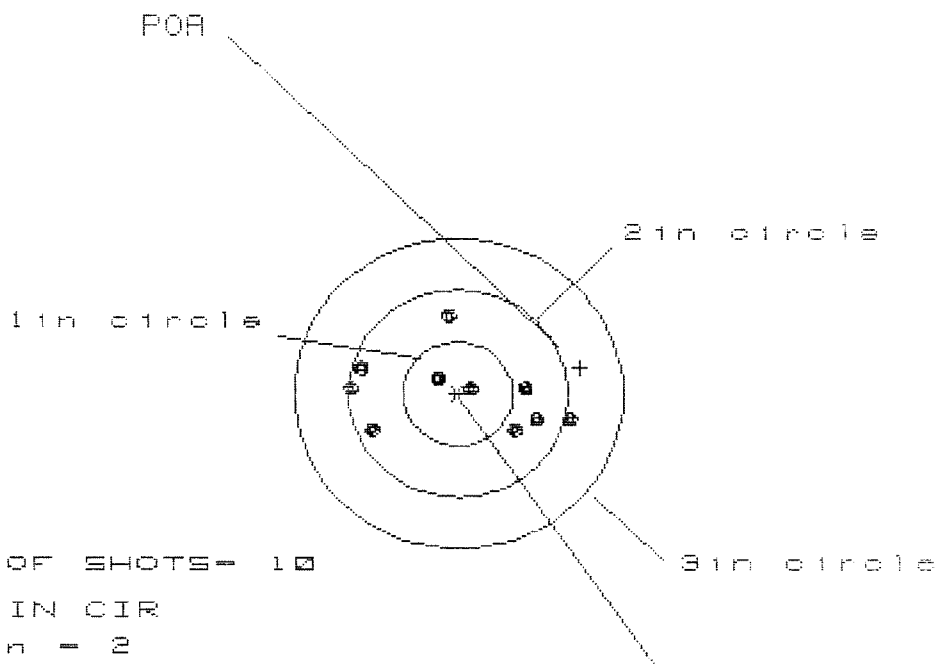
CENTROID *

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.898	.636	.345
MINIMUM X	-.606	-.506	-.427
MAXIMUM Y	.929	.861	.968
MINIMUM Y	-.932	-1.000	-.893
CENTROID X	-.448	-.548	-.627
CENTROID Y	.046	.114	.087
POA TO CENTROID in.	.450	.560	.627
MIN RADIUS	.081	.069	.106
MEAN RADIUS	.668	.603	.548
MAX RADIUS	1.088	1.066	.968
HORIZONTAL SPREAD	1.504	1.142	.772
VERTICAL SPREAD	1.861	1.861	1.861
EXTREME SPREAD	2.024	2.024	1.862
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

16 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG225557

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.962

VS= 1.164

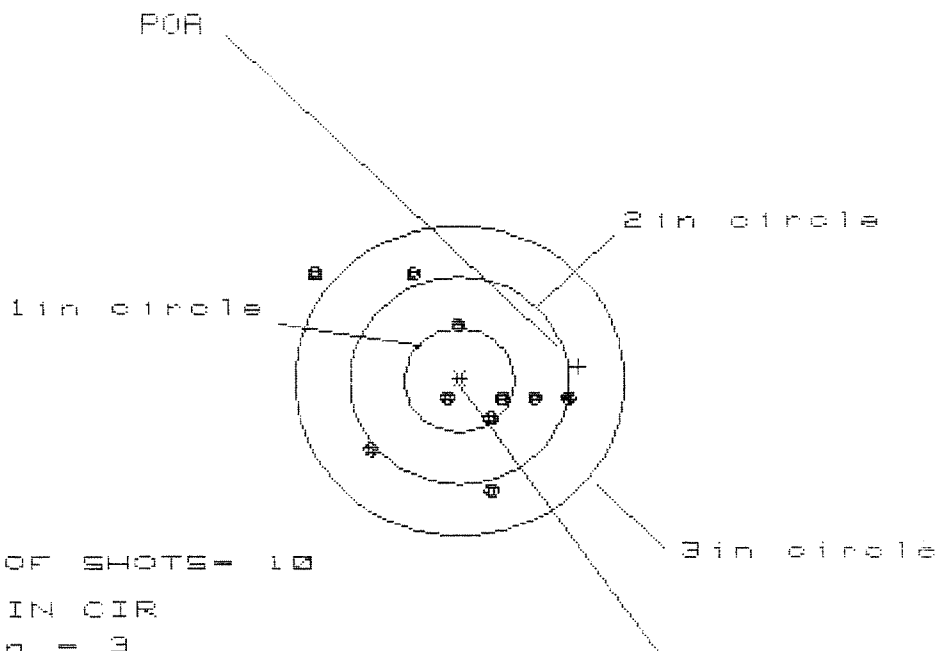
GS= 1.997

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.997	.798	.692
MINIMUM X	:	-.965	-.855	-.916
MAXIMUM Y	:	.780	.749	.746
MINIMUM Y	:	-.384	-.415	-.418
CENTROID X	:	-1.118	-1.228	-1.121
CENTROID Y	:	-.252	-.221	-.218
POA TO CENTROID in.	:	1.146	1.248	1.142
MIN RADIUS	:	.139	.146	.141
MEAN RADIUS	:	.706	.669	.631
MAX RADIUS	:	1.035	.855	.950
HORIZONTAL SPREAD	:	1.962	1.653	1.600
VERTICAL SPREAD	:	1.164	1.164	1.164
EXTREME SPREAD	:	1.997	1.687	1.687
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

16 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225557

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 2.310

VS = 2.093

GS = 2.619

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.017
MINIMUM X	-1.293
MAXIMUM Y	1.051
MINIMUM Y	-1.042
CENTROID X	-1.087
CENTROID Y	-.135
POA TO CENTROID in.	1.095
MIN RADIUS	.191
MEAN RADIUS	.823
MAX RADIUS	1.666
HORIZONTAL SPREAD	2.310
VERTICAL SPREAD	2.093
EXTREME SPREAD	2.619
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9