

C6348945

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington



RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

872 - SUBSTANTIATION OF ENTERTAINMENT

EXPENSES

COPY "O" (OFFICIAL) ☒ "X" (EXTRA) ☐

TOTAL RETENTION: UNTIL SUPERSEDED

OR OBSOLETE

GS-11050 Rev. 8/78

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: **RE00154256**Serial: C6348945 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 10/30/2008 8:24:25 AM

Verify Repair

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
A007	With Stud	3
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1
D000	MARS RAIL	1

Repair Search
Refresh
Close

nagletj

10/30/2008

12:42 PM

CAPS

NUM

INS

SCRL


 Serial Number: **C6348945**

 Model: **M24 SWS**

RE00154256

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

R & E NUMBER

154256

SERIAL NUMBER

C10348945

LOG-IN DATE

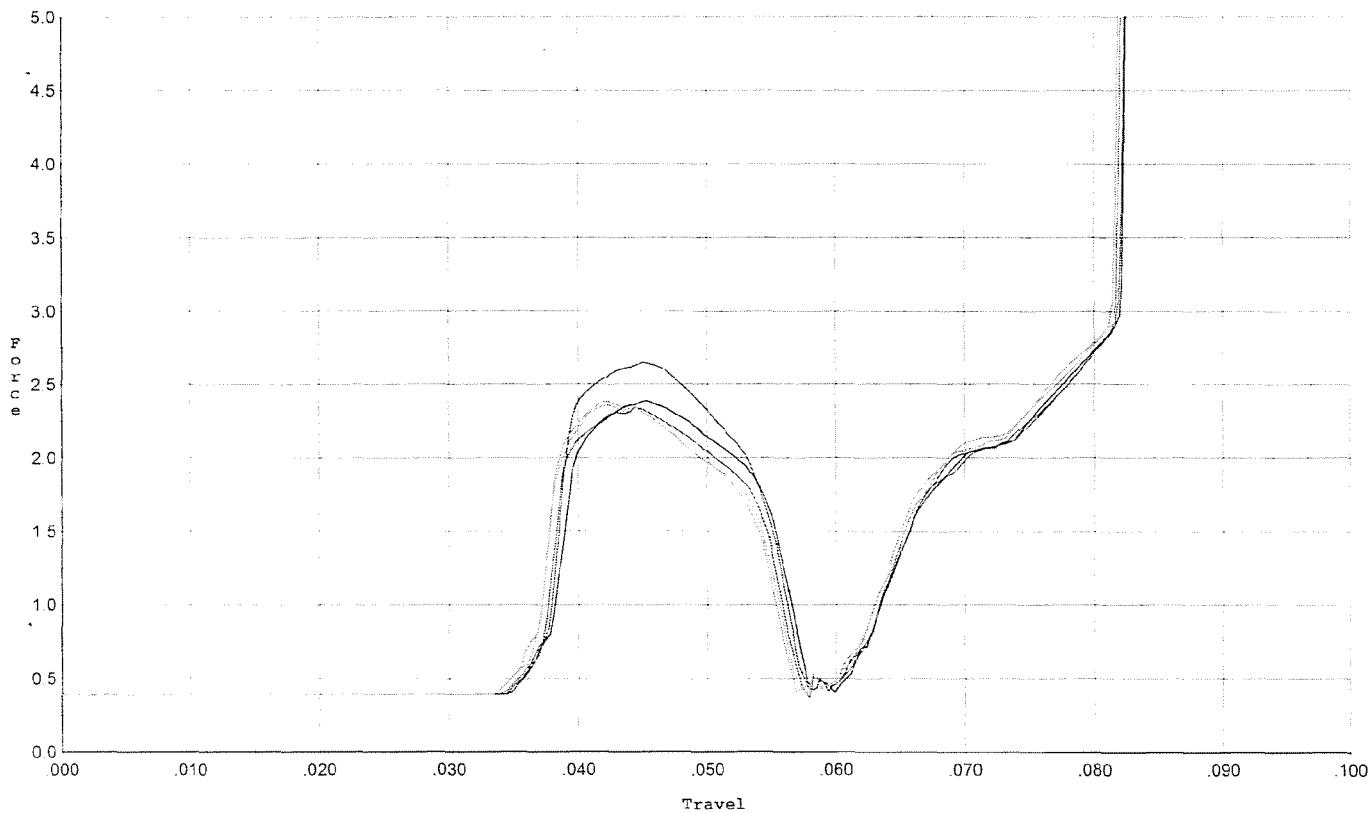
10-30-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-5-08	RTZ
505	RE-BARREL	11-12-08	RTZ
560	ASSEMBLE	11-12-08	RTZ
600	PROOF	11-11-08	SP
605	CHECK HEADSPACE	11-11-08	SP
610	DIS-ASSEMBLE GUN	11-11-08	SP
612	MAGNAFLUX	11-17-08	SP
510	DRILL AND TAP	11-12-08	SP
615	ROLLMARK CALIBER	11/17/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	11/21	
625	FINAL ASSEMBLY	12-2-08	RTZ
640	FUNCTION TEST AND	12-4-08	SP
650	TARGET	12-4-08	SP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	12-5-08	SP
	A) HEADSPACE	PASS	FAIL
	B) TRIGGER PULL	2.4 2.71 2.71 2.65 2.68	12-5-08 SP
680	F) SAFETY ON FORCE	3.0 4.0 4.0	12-5-08 SP
	G) SAFETY OFF FORCE	4.0 5.0 5.0	12-5-08 SP
	I) FIRING PIN INDENT	.021 .021 .021	12-5-08 SP
690	PACK		4/3/09 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



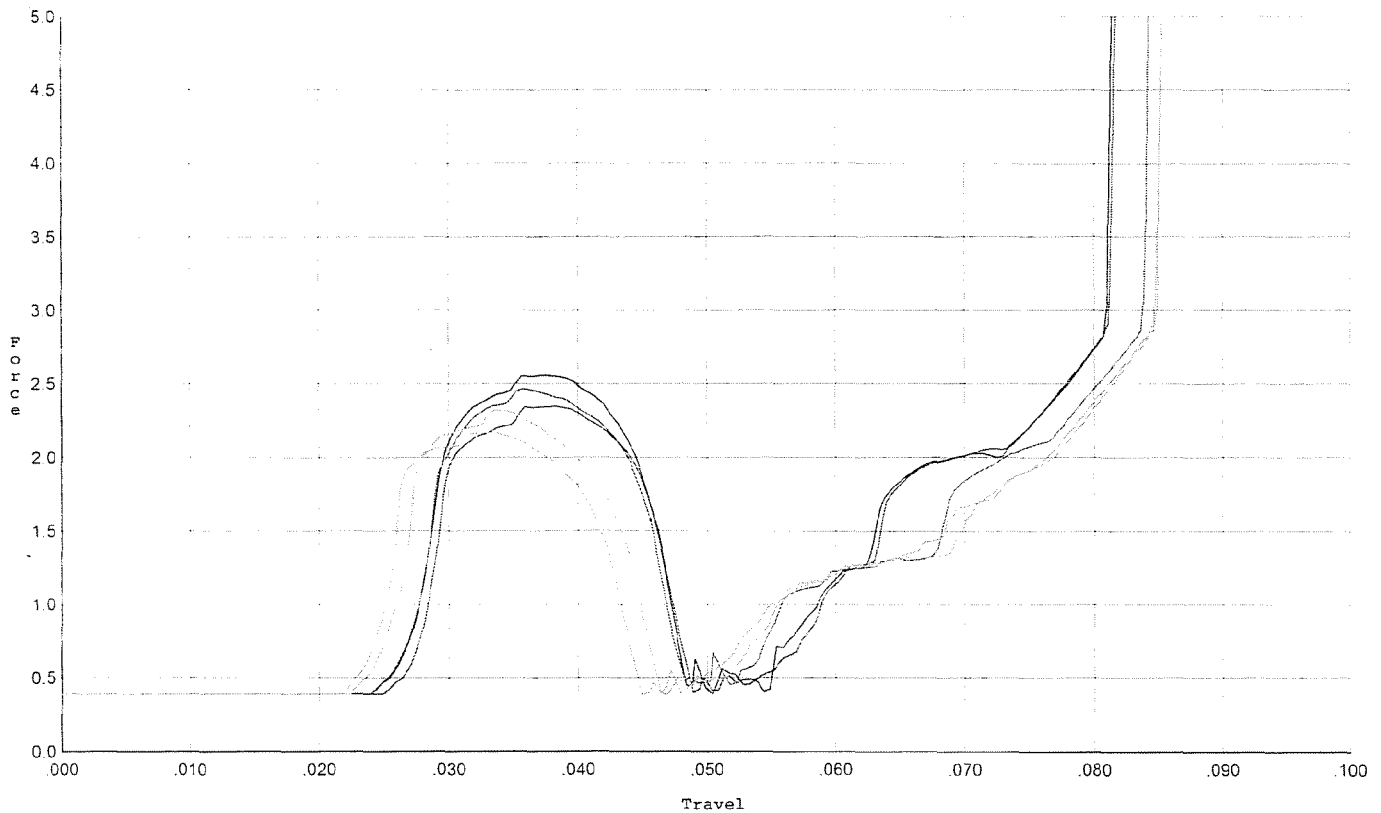
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.650	0.055	0.036	0.034	0.055		Set Trigger
2	2.387	0.056	0.037	0.033	0.053		Set Trigger
3	2.342	0.055	0.037	0.034	0.051		Set Trigger
4	2.358	0.055	0.036	0.034	0.051		Set Trigger
5	2.380	0.054	0.036	0.034	0.051		Set Trigger

A-242

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



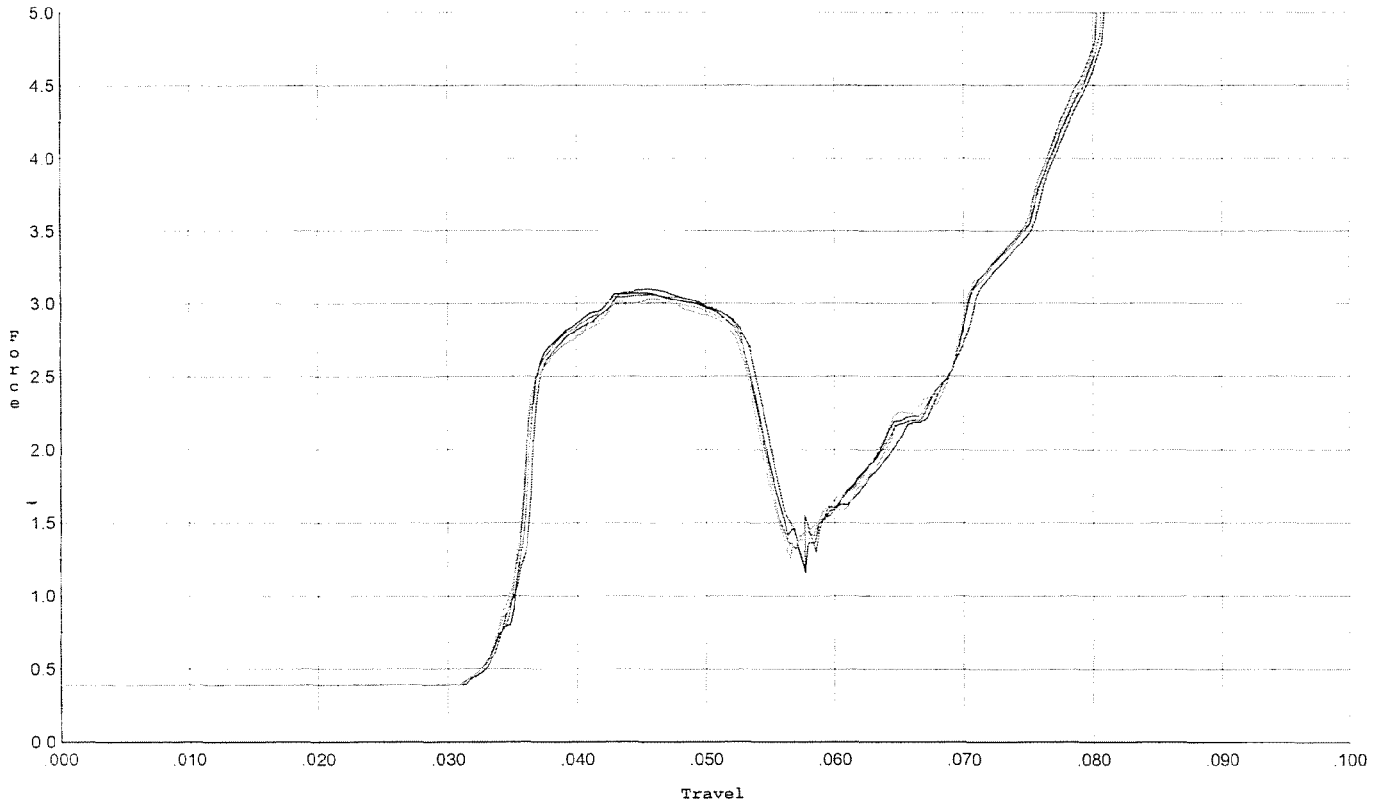
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.346	0.046	0.027	0.039	0.049		Set Trigger
2	2.558	0.046	0.026	0.039	0.053		Set Trigger
3	2.468	0.046	0.026	0.043	0.050		Set Trigger
4	2.320	0.044	0.025	0.048	0.047		Set Trigger
5	2.169	0.042	0.024	0.050	0.044		Set Trigger

A 237

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



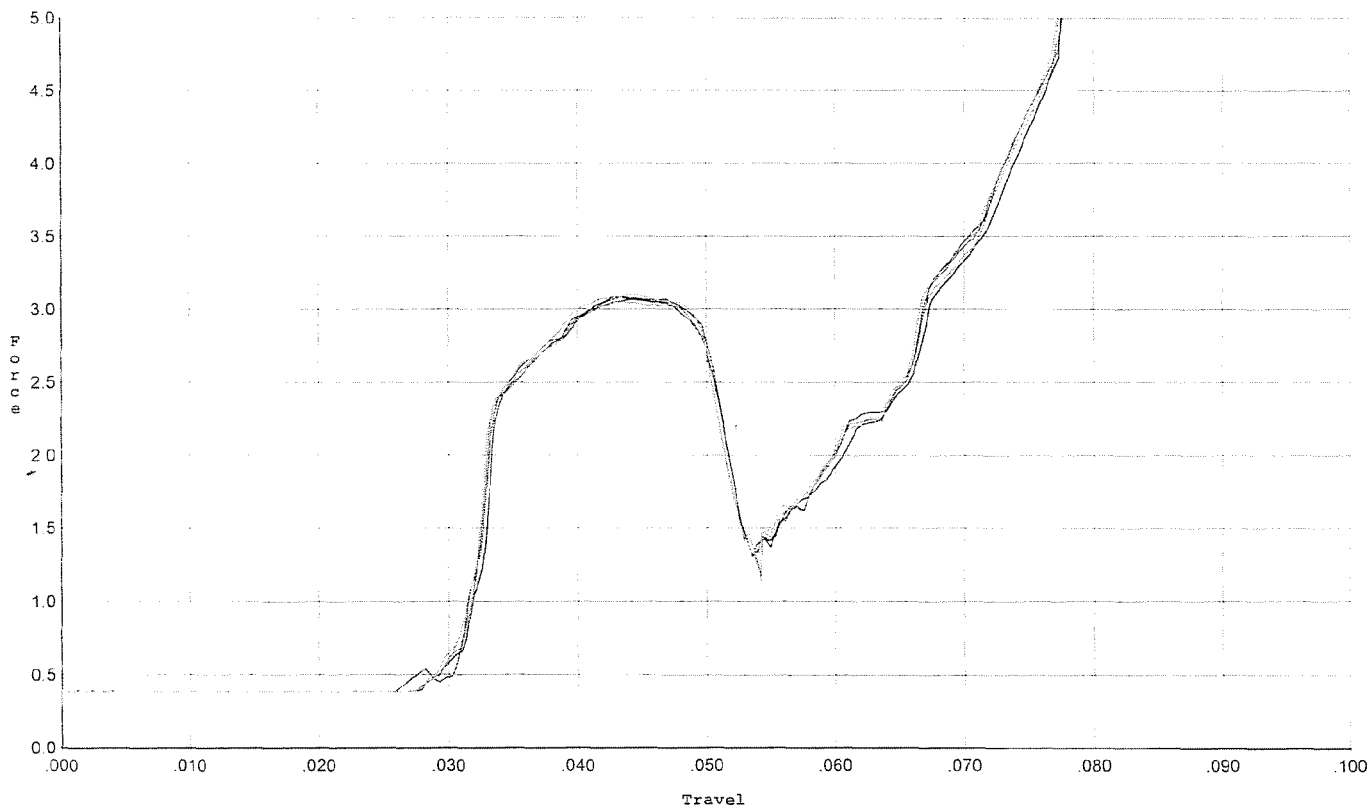
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.099	0.053	0.034	0.032	0.067		Set Trigger
2	3.073	0.054	0.034	0.032	0.068		Set Trigger
3	3.060	0.054	0.033	0.032	0.068		Set Trigger
4	3.016	0.054	0.033	0.032	0.067		Set Trigger
5	3.036	0.053	0.033	0.032	0.066		Set Trigger

A-3.05

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



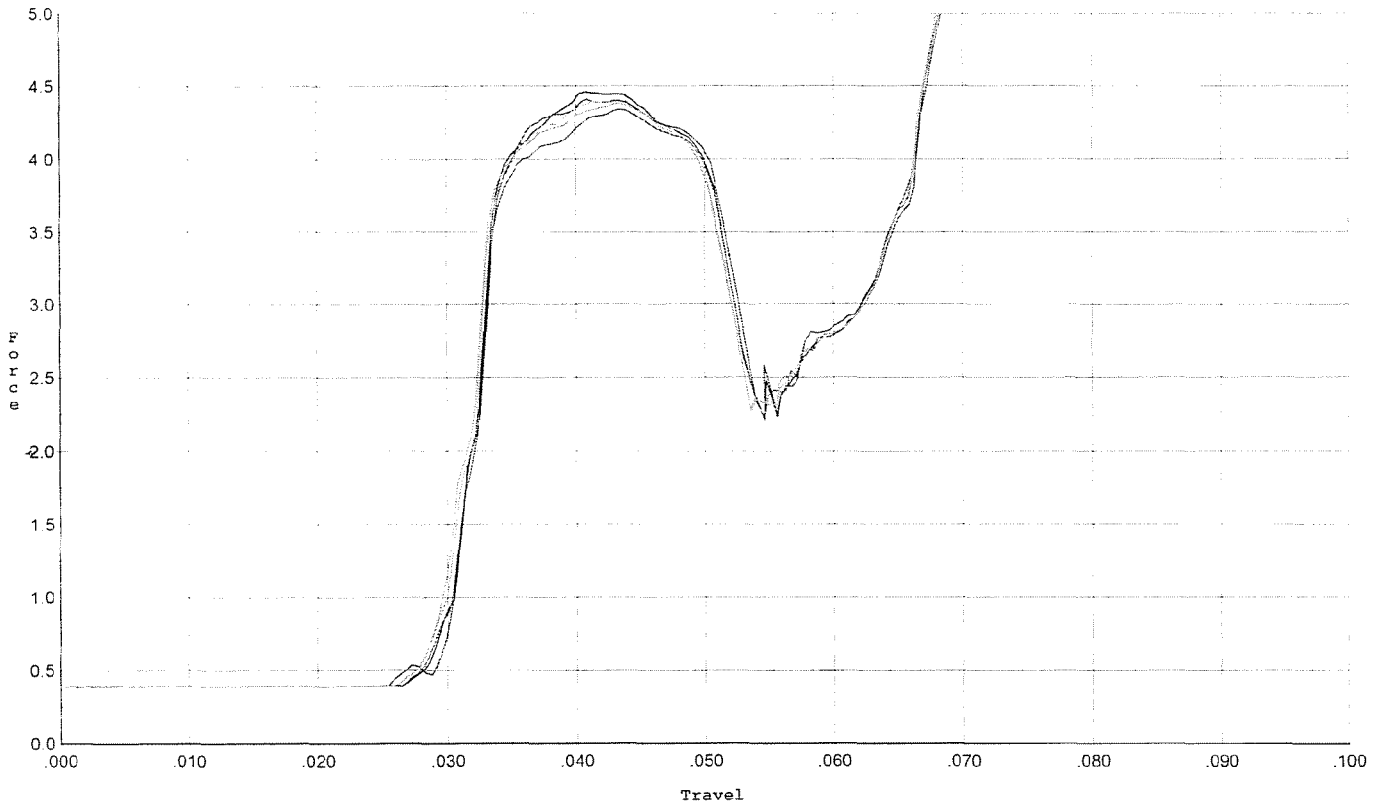
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.071	0.051	0.031	0.031	0.066		Set Trigger
2	3.085	0.051	0.031	0.031	0.065		Set Trigger
3	3.083	0.050	0.030	0.032	0.064		Set Trigger
4	3.104	0.050	0.030	0.031	0.065		Set Trigger
5	3.057	0.050	0.030	0.032	0.064		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: 4.0 lbs ini +/- 1.0 lb



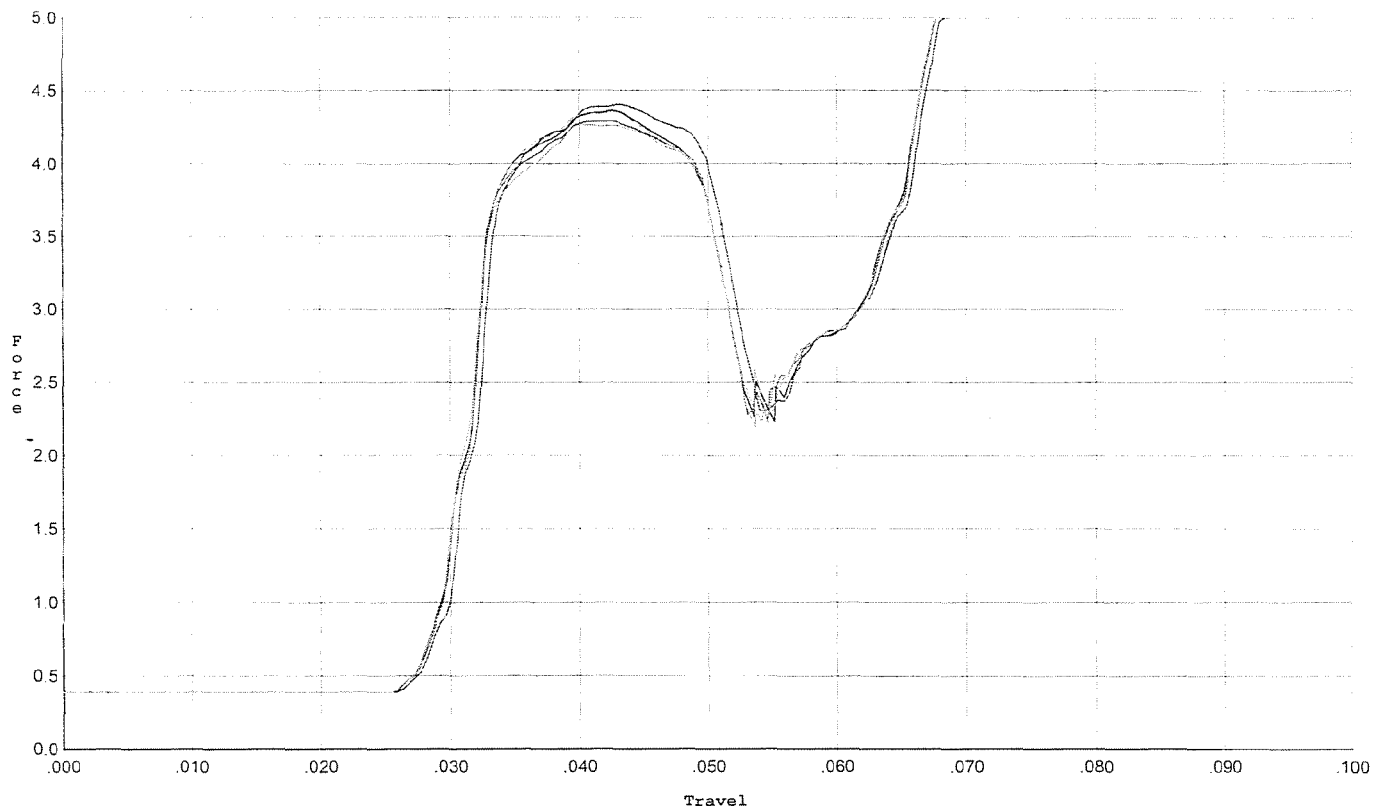
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.411	0.052	0.029	0.022	0.096		Set Trigger
2	4.459	0.051	0.029	0.022	0.094		Set Trigger
3	4.340	0.051	0.029	0.023	0.092		Set Trigger
4	4.411	0.051	0.028	0.022	0.095		Set Trigger
5	4.382	0.052	0.028	0.022	0.096		Set Trigger

A-4-40

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 lb



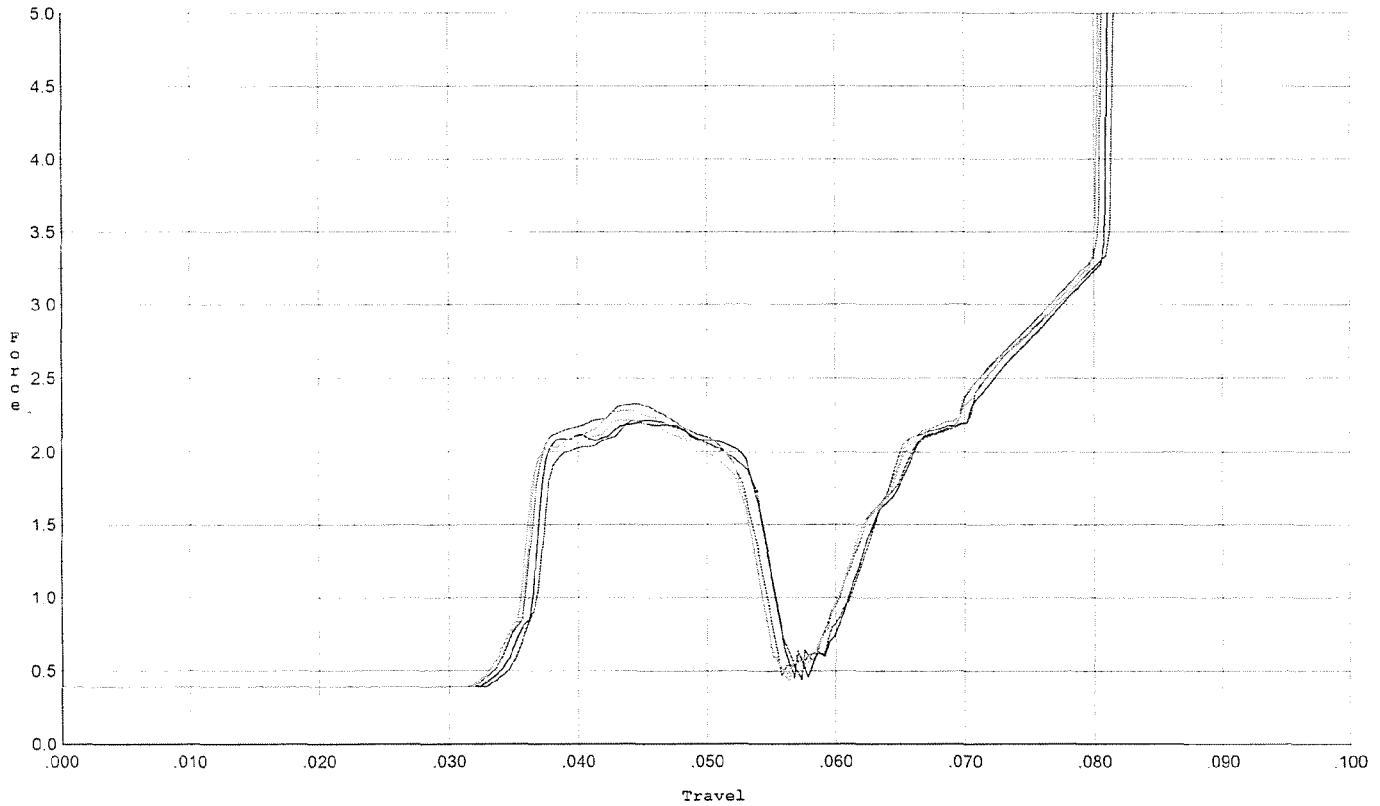
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.406	0.051	0.028	0.022	0.095		Set Trigger
2	4.364	0.051	0.028	0.022	0.094		Set Trigger
3	4.293	0.051	0.028	0.022	0.094		Set Trigger
4	4.359	0.051	0.028	0.022	0.095		Set Trigger
5	4.268	0.051	0.028	0.022	0.093		Set Trigger

11-4-33

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

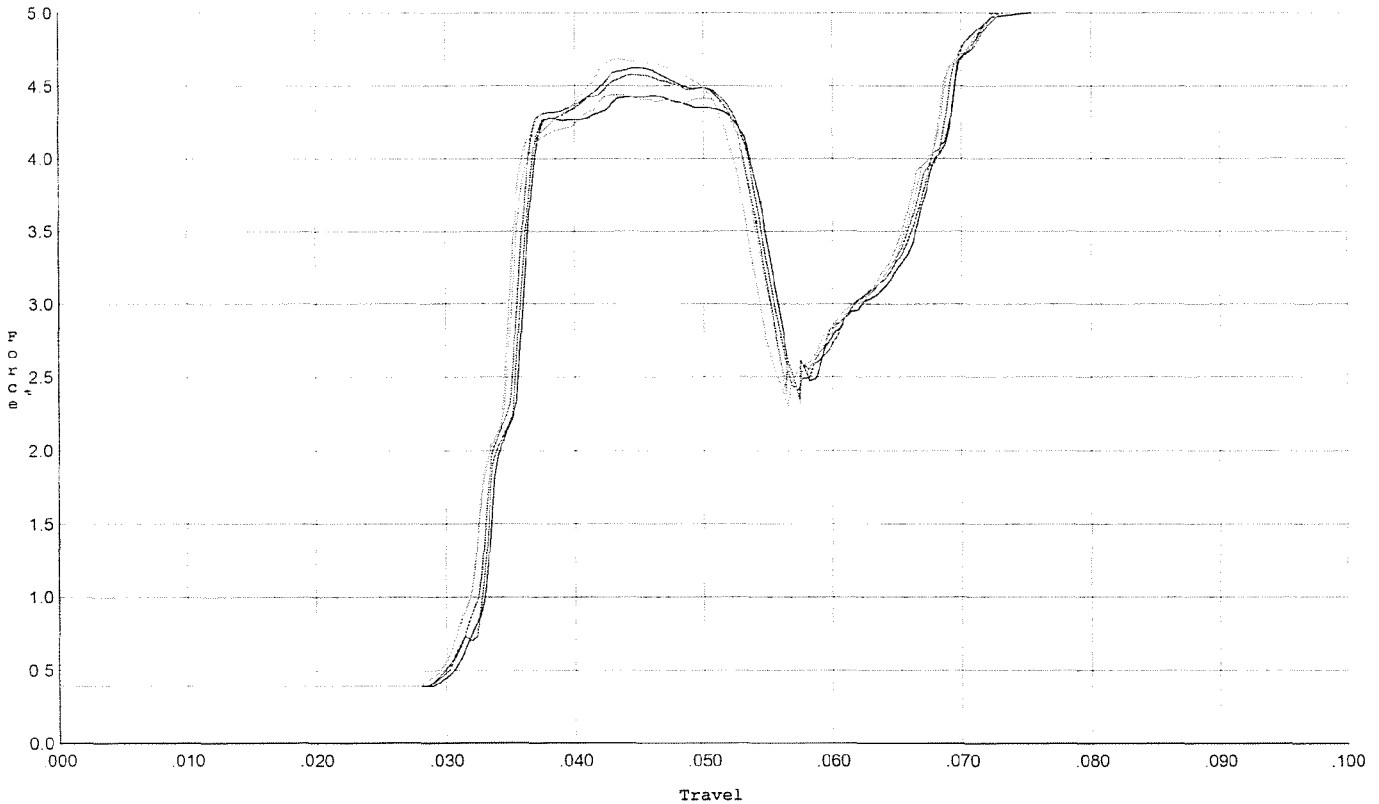


#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.212	0.054	0.035	0.034	0.050		Set Trigger
2	2.197	0.054	0.035	0.033	0.051		Set Trigger
3	2.328	0.054	0.034	0.033	0.052		Set Trigger
4	2.215	0.053	0.034	0.034	0.050		Set Trigger
5	2.282	0.053	0.034	0.034	0.051		Set Trigger

A-224

Trigger Profile [lbs,inch]

Profile	SWS	Model:	M/24
GunType:	Rifle	Serial No:	Form #F005
Make:	Remington	Trigger:	set to 4.0 lbs +/- 1.0 lbs for target & accuracy
Note:	C Schults 10/30/2008		



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.627	0.053	0.031	0.029	0.099		Set Trigger
2	4.433	0.054	0.031	0.028	0.099		Set Trigger
3	4.574	0.054	0.031	0.028	0.101		Set Trigger
4	4.440	0.053	0.030	0.029	0.098		Set Trigger
5	4.688	0.053	0.030	0.029	0.098		Set Trigger

A-4.55

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348945.___0
FILE DATE AND TIME: 12/05/2008 07:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.146
The Average Y Centroid of the Five Target Set:	-0.173
The Average Point of Impact of the Five Target Set:	0.226
The Average Mean Radius of the Five Target Set:	0.650
The Distance from POA to Centroid Target #1:	0.535
The Distance from Centroid Target #2 to Centroid Target #1:	0.348
The Distance from Centroid Target #3 to Centroid Target #1:	0.759
The Distance from Centroid Target #4 to Centroid Target #1:	0.088
The Distance from Centroid Target #5 to Centroid Target #1:	0.383

SERIAL NUMBER: C6348945. 0

TARGET NUMBER: 1

FILE DATE: 12/05/2008

FILE TIME: 07:55

X CENTROID: 0.387

Y CENTROID: -0.368

POA TO CENTROID: 0.535

HORZ SPREAD: 1.707

VERT SPREAD: 1.386

GROUP SPREAD: 2.067

MIN RADIUS: 0.208

MAX RADIUS: 1.218

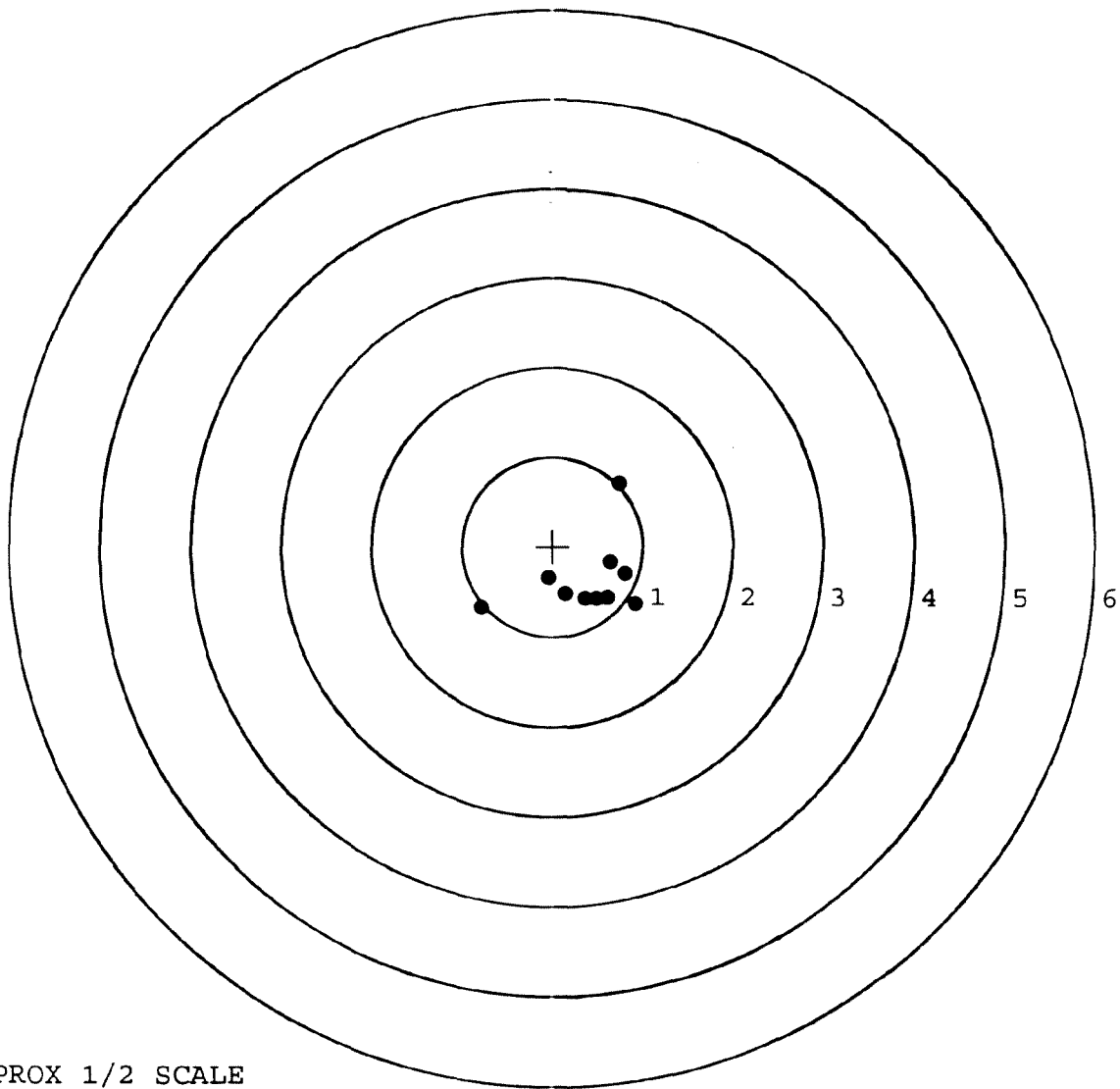
MEAN RADIUS: 0.515

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.790	-0.679
2:	-0.043	-0.353
3:	0.142	-0.532
4:	0.361	-0.575
5:	0.487	-0.578
6:	0.608	-0.564
7:	0.917	-0.639
8:	0.803	-0.298
9:	0.645	-0.173
10:	0.744	0.707



TARGET APPROX 1/2 SCALE

BARBER - M24 0042279

SERIAL NUMBER: C6348945. __0

TARGET NUMBER: 2

FILE DATE: 12/05/2008

FILE TIME: 07:55

POINT#	X	Y
--------	---	---

1:	-1.303	-1.008
----	--------	--------

2:	-0.451	-0.401
----	--------	--------

3:	-0.215	-0.372
----	--------	--------

4:	0.199	-0.220
----	-------	--------

5:	0.412	0.032
----	-------	-------

6:	0.311	0.161
----	-------	-------

7:	0.042	0.338
----	-------	-------

8:	0.733	-0.370
----	-------	--------

9:	1.251	-0.358
----	-------	--------

10:	0.180	0.692
-----	-------	-------

X CENTROID: 0.116

Y CENTROID: -0.151

POA TO CENTROID: 0.190

HORZ SPREAD: 2.554

VERT SPREAD: 1.700

GROUP SPREAD: 2.635

MIN RADIUS: 0.108

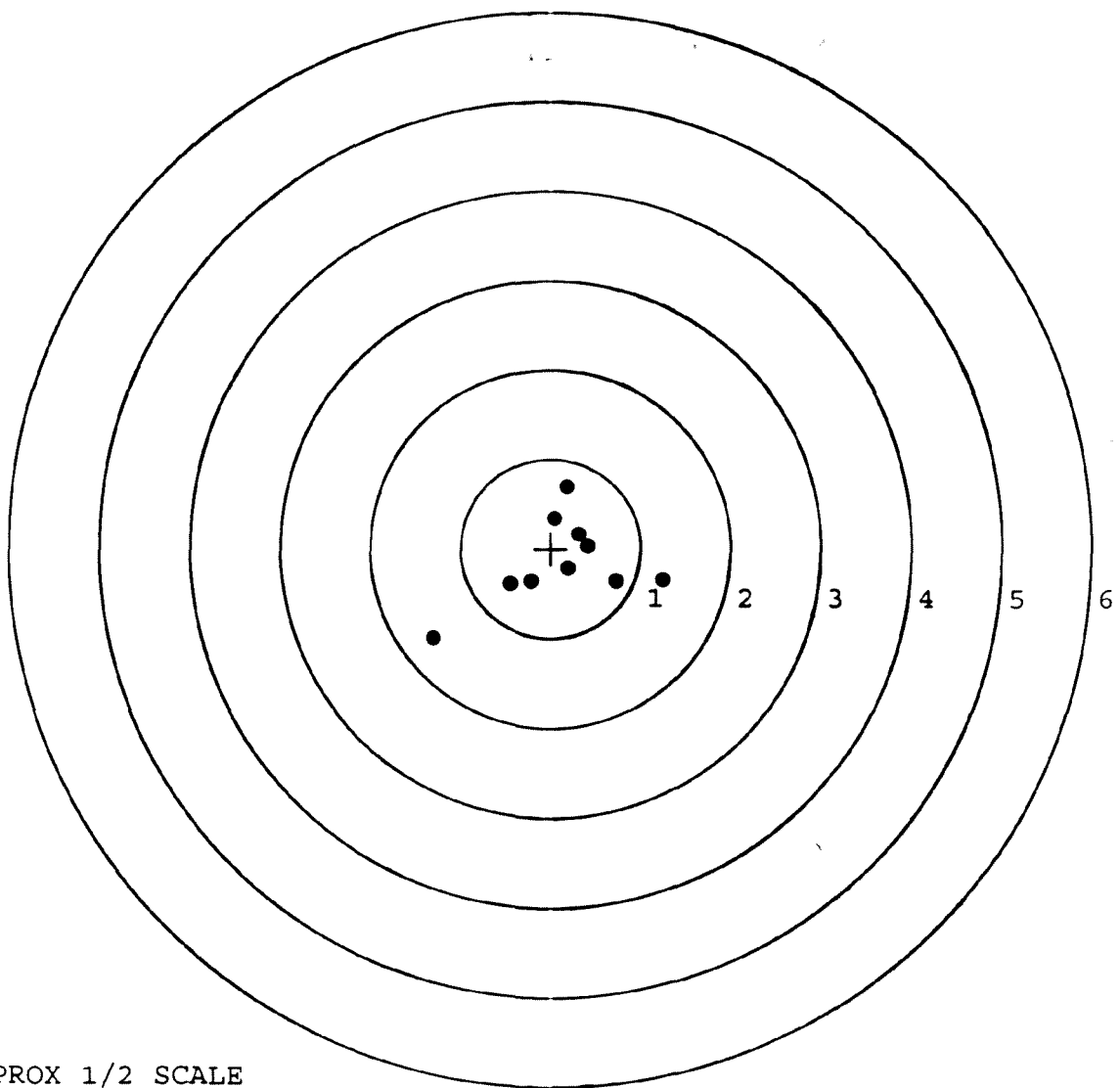
MAX RADIUS: 1.658

MEAN RADIUS: 0.665

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0042280

SERIAL NUMBER: C6348945. __0

TARGET NUMBER: 3

FILE DATE: 12/05/2008

FILE TIME: 07:55

POINT#	X	Y
1:	0.288	-1.437
2:	-1.220	-0.232
3:	-0.505	-0.071
4:	-0.494	0.438
5:	-0.277	0.401
6:	-0.108	0.640
7:	0.028	0.393
8:	0.172	0.318
9:	0.343	0.166
10:	0.245	1.028

X CENTROID: -0.153

Y CENTROID: 0.164

POA TO CENTROID: 0.224

HORZ SPREAD: 1.563

VERT SPREAD: 2.465

GROUP SPREAD: 2.465

MIN RADIUS: 0.267

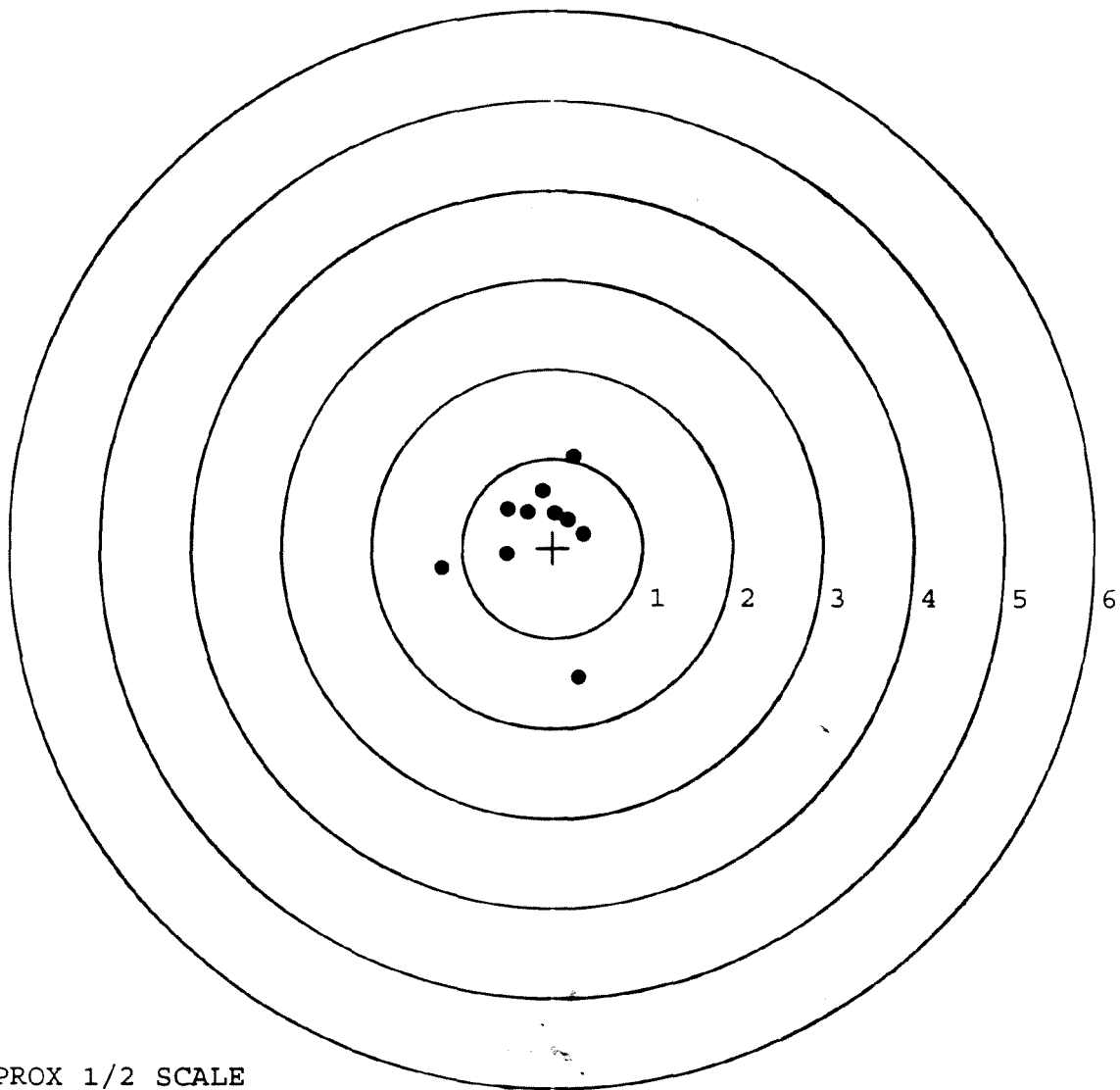
MAX RADIUS: 1.661

MEAN RADIUS: 0.650

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0042281

SERIAL NUMBER: C6348945. __ 0

TARGET NUMBER: 4

FILE DATE: 12/05/2008

FILE TIME: 07:55

POINT#	X	Y
1:	-1.144	-0.314
2:	-0.113	-0.913
3:	0.218	-1.054
4:	0.663	-0.734
5:	0.570	-0.554
6:	0.441	-0.420
7:	0.482	-0.047
8:	0.952	-0.191
9:	0.789	0.325
10:	0.590	0.983

X CENTROID: 0.345

Y CENTROID: -0.292

POA TO CENTROID: 0.452

HORZ SPREAD: 2.096

VERT SPREAD: 2.037

GROUP SPREAD: 2.165

MIN RADIUS: 0.160

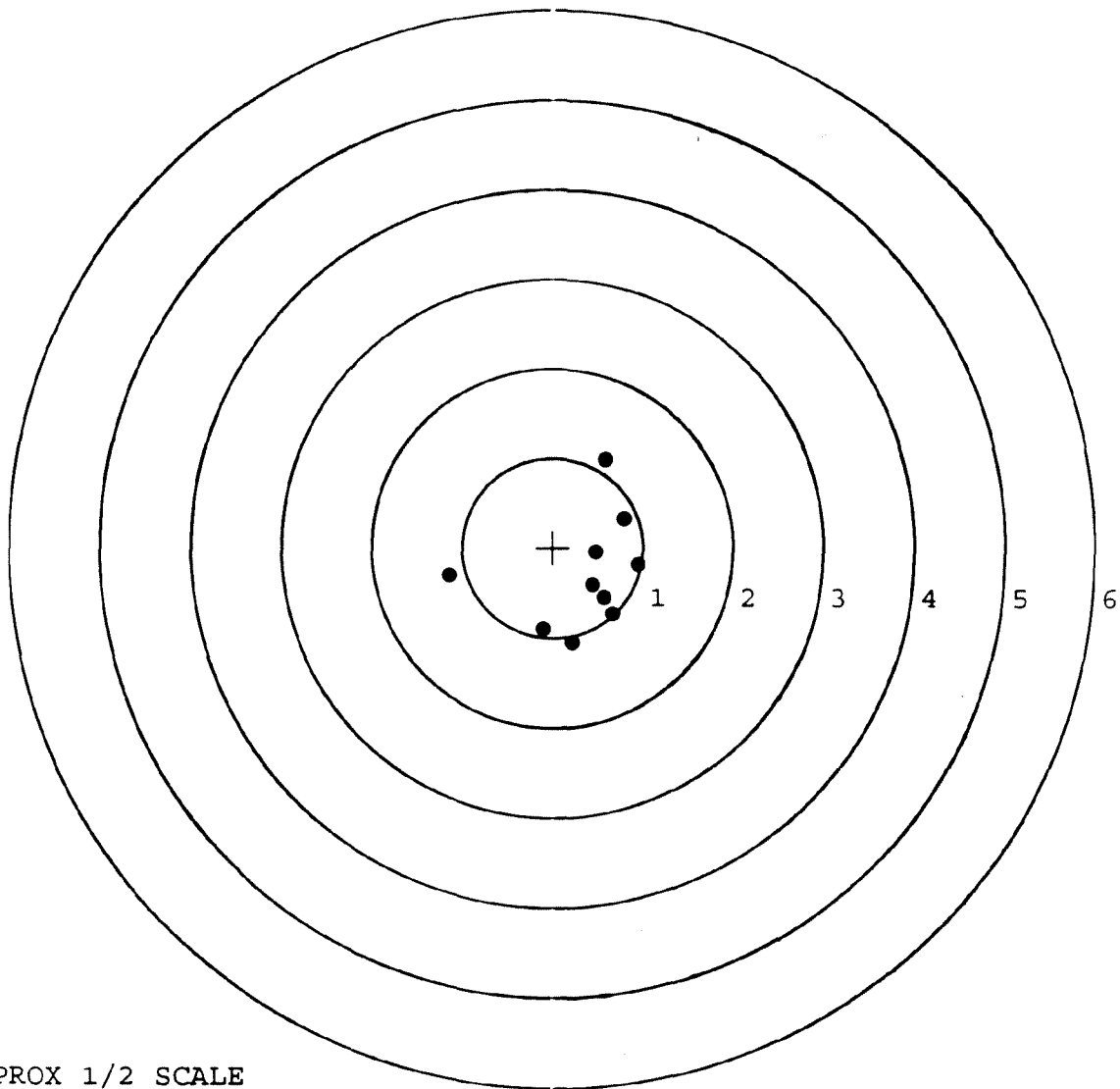
MAX RADIUS: 1.489

MEAN RADIUS: 0.704

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0042282

SERIAL NUMBER: C6348945. __0

TARGET NUMBER: 5

FILE DATE: 12/05/2008

FILE TIME: 07:55

POINT#	X	Y
1:	-0.236	-1.150
2:	-0.322	-0.909
3:	-0.761	-0.568
4:	-0.812	-0.001
5:	0.011	-0.522
6:	0.038	-0.338
7:	0.273	-0.179
8:	0.700	0.291
9:	0.706	0.445
10:	0.758	0.749

X CENTROID: 0.035

Y CENTROID: -0.218

POA TO CENTROID: 0.221

HORZ SPREAD: 1.570

VERT SPREAD: 1.899

GROUP SPREAD: 2.143

MIN RADIUS: 0.120

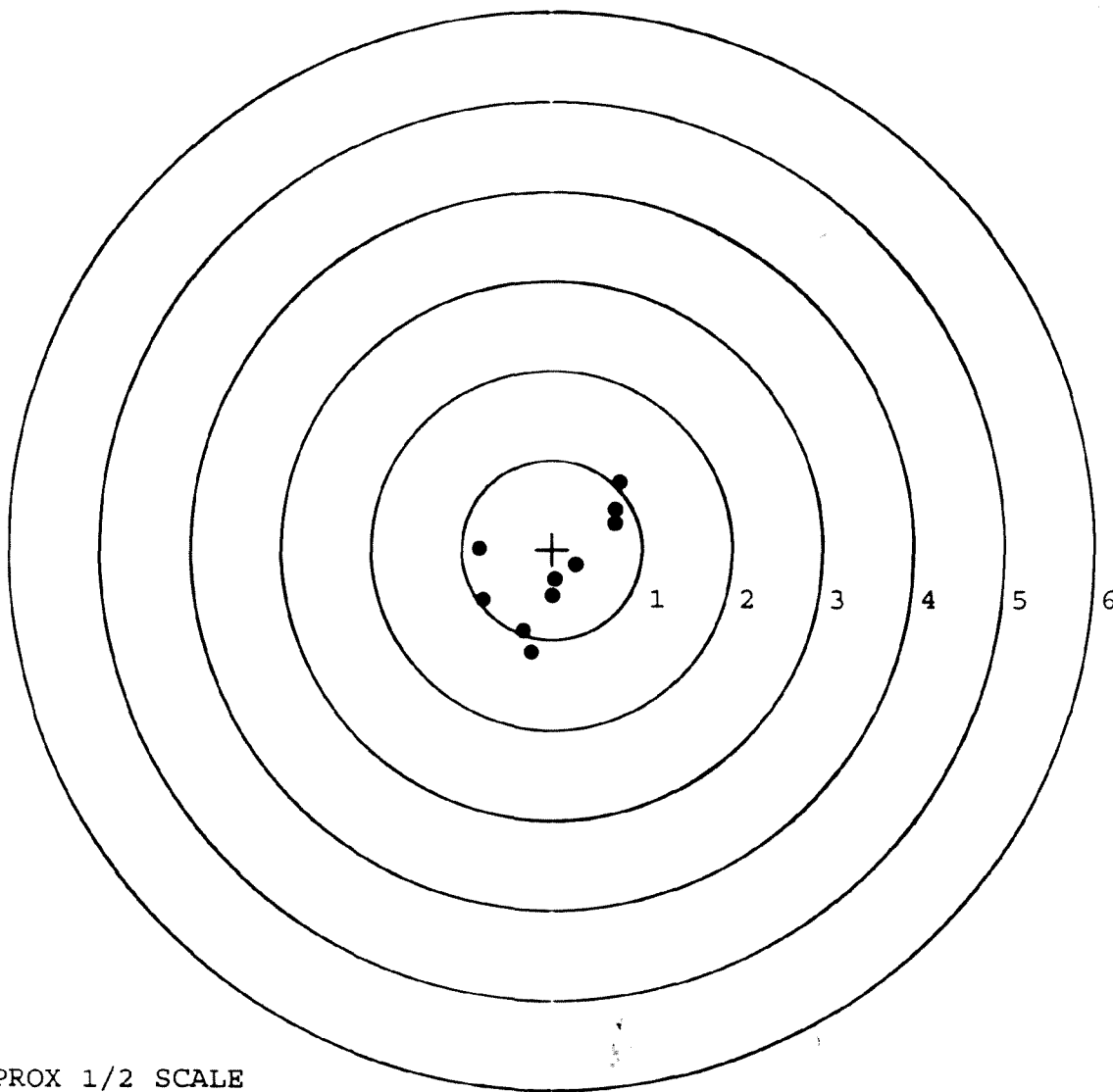
MAX RADIUS: 1.207

MEAN RADIUS: 0.715

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington® REG. U.S. PAT. & TM. OFF.

Model 700™ H24

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

SERIAL NO. C6348945

ORDER NO. 5716

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

Ø1



5716 C6348945

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348945

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A.C.
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	NEW Barrel 10/30/89 Magnaflux Barrel Action	REJECT	10/13/89	KCR
	Magnaflux Bolt		10/13/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

BARBER - M24 0042285							
op. #	OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force						
	G) Safety Off Force						
	H) Trigger Pull Test & Retainability						
	I) Firing Pin Indent						
	J) Assemble Stock						
	K) Assemble Swivel Studs						
	L) Attach Front and Rear Sight Assemblies						
	M) Iron Sight Alignment						
	N) Detach Front & Rear Sights & place in numbered container						
	O) Attach Scope to Rifle						
	P) Detach & Attach Scope 20 Times						
640	Gallery Target & Test						
	A) Time						
	B) Malfunctions						
	C) Pierced Primers						
	D) Optical Clarity of Scope						
645	Inspect for Live Ammo						
655	Final Inspection						
	A) Headspace						
	B) Trigger Pull						
	C) Function						
660	Pack						

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348945

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	11-2	89	RW
600	Proof	11-2	89	K
607	Check Headspace	11-2	89	RW
610	Dis-assemble Gun	11-2	89	RW
612	Magnaflux Barrel Action	11-9-89		KER
	Magnaflux Bolt	11-9-89		KER
615	Rollmark Caliber			
17	Drill and Tap Sight Holes	11 9	89	JB
618	Polish Barrel RB	11 9	89	BT
620	Apply Coatings (Barrel Action)		11-17-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/27/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/27/89	RW
	C) Inspect Ejector Hole for Chamfer		11/27/89	RW
	D) Oil Firing Pin Ass'y		11/27/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5 Dec 89	JS

BARBER - M24 0042287

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	5 Dec 89	JS
	G) Safety Off Force	3	3	3	5 Dec 89	JS
	H) Trigger Pull Test & Retainability				5 Dec 89	JS
	I) Firing Pin Indent	.021	.0215	.0215	5 Dec 89	JS
	J) Assemble Stock				12/6/89	RW
	K) Assemble Swivel Studs				7 Dec 89	JS
	L) Attach Front and Rear Sight Assemblies				12/6/89	RW
	M) Iron Sight Alignment				12/6/89	RW
	N) Detach Front & Rear Sights & place in numbered container				12/6/89	RW
	O) Attach Scope to Rifle				6 Dec 89	JS
	P) Detach & Attach Scope 20 Times				6 Dec 89	JS
640	Gallery Target & Test				12-6-89	A
	A) Time				12-6-89	A
	B) Malfunctions				12-6-89	A
	C) Pierced Primers				12-6-89	A
	D) Optical Clarity of Scope				12-6-89	A
645	Inspect for Live Ammo				12-6-89	A
655	Final Inspection					
	A) Headspace				7 Dec 89	JS
	B) Trigger Pull	278	276	269	7 Dec 89	JS
	C) Function				7 Dec 89	JS
660	Pack				15 Dec 89	JS

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

SERIAL NO. 11348945
DATE 4/9/90
TESTER AW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.36	2.31		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.27	2.26		
PULL #3	2.42	2.35	2.25		
PULL #4	2.38	2.23	2.27		
PULL #5	2.43	2.36	2.26		
TOTAL	11.92	11.57	11.35		
AVG.	2.38	2.31	2.27		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.21		
PULL #2	3.25	3.29		
PULL #3	3.22	3.27		
PULL #4	3.20	3.24		
PULL #5	3.23	3.30		
TOTAL	16.19	16.31		
AVG.	3.24	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.07		
PULL #2	4.13	4.06		
PULL #3	4.15	4.04		
PULL #4	4.06	4.03		
PULL #5	4.14	4.00		
TOTAL	20.57	20.20		
AVG.	4.12	4.04		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348945
6 Dec 1989

CENTROIDAL DISTANCES

0 TO	1	.191638
1 TO	2	.426104
1 TO	3	.357085
1 TO	4	.416625
1 TO	5	.745085

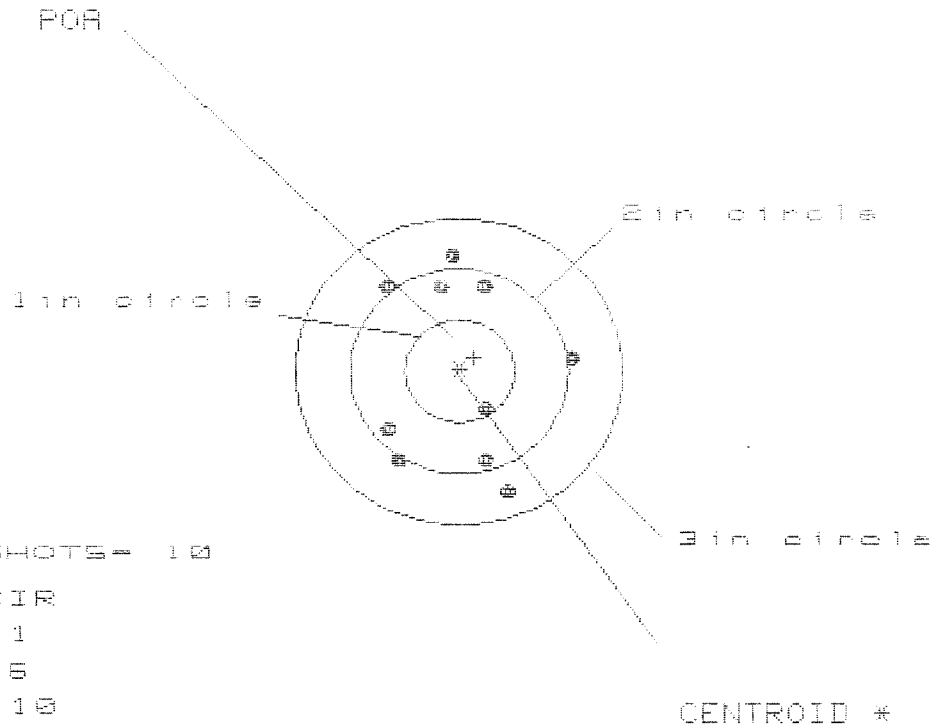
$\frac{1}{5} \sum_{i=1}^5 r_i^2$ -----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2376
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0582
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .243483
THE AMR FOR THIS RIFLE IS: .314

8 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348345

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS = 1.629

VS = 2.297

GS = 2.353

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.989	1.033	1.025
MINIMUM X	-.640	-.596	-.604
MAXIMUM Y	1.156	1.029	.816
MINIMUM Y	-1.141	-.986	-.858
CENTROID X	-.137	-.181	-.173
CENTROID Y	-.134	-.007	-.135
POA TO CENTROID in.	.191	.181	.219
MIN RADIUS	.439	.567	.462
MEAN RADIUS	.923	.885	.858
MAX RADIUS	1.209	1.118	1.034
HORIZONTAL SPREAD	1.629	1.629	1.629
VERTICAL SPREAD	2.297	2.015	1.674
EXTREME SPREAD	2.353	2.067	1.860
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

6 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0694B945

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 1.691

VS= 2.500

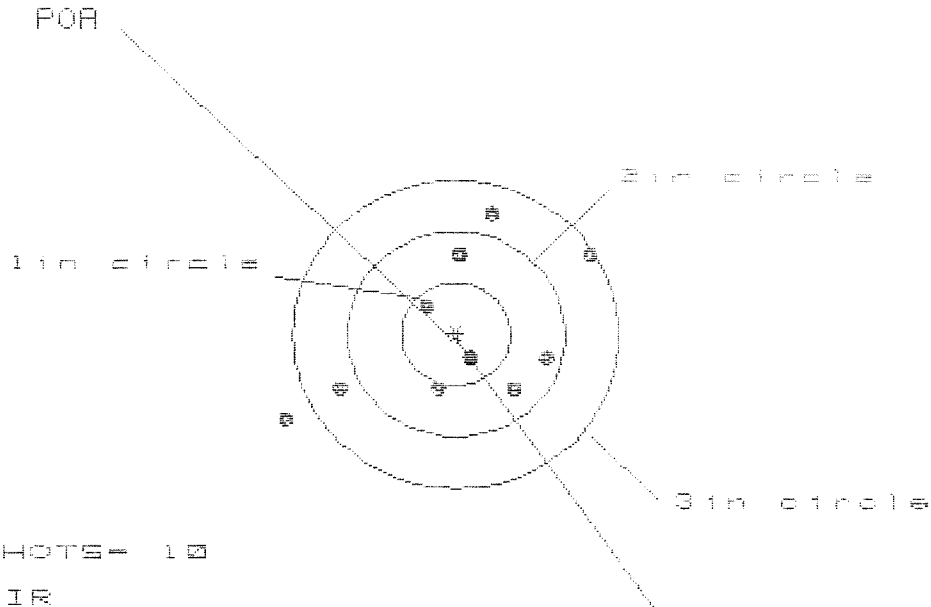
GS= 2.924

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.860	.949	.871
MINIMUM X	:	-.831	-.742	-.820
MAXIMUM Y	:	1.277	1.067	.932
MINIMUM Y	:	-1.223	-1.081	-.731
CENTROID X	:	.285	.196	.274
CENTROID Y	:	-.193	-.335	-.200
POA TO CENTROID in.	:	.344	.388	.340
MIN RADIUS	:	.325	.278	.324
MEAN RADIUS	:	.912	.830	.774
MAX RADIUS	:	1.508	1.300	1.242
HORIZONTAL SPREAD	:	1.691	1.691	1.691
VERTICAL SPREAD	:	2.500	2.148	1.663
EXTREME SPREAD	:	2.924	2.151	2.061
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06834B945

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.774

VS= 2.002

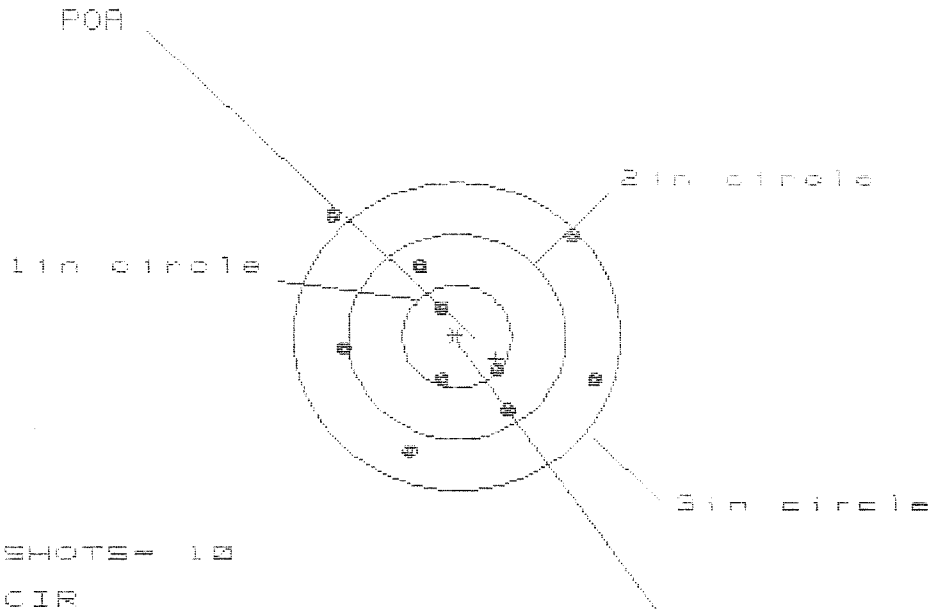
GS= 3.227

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.219	1.047	.772
MINIMUM X	:	-1.555	-1.197	-1.067
MAXIMUM Y	:	1.140	1.044	1.131
MINIMUM Y	:	-.862	-.643	-.556
CENTROID X	:	-.132	.040	-.090
CENTROID Y	:	.223	.319	.232
POR TO CENTROID in.	:	.259	.321	.249
MIN RADIUS	:	.260	.322	.250
MEAN RADIUS	:	.905	.805	.727
MAX RADIUS	:	1.778	1.359	1.203
HORIZONTAL SPREAD	:	2.774	2.244	1.839
VERTICAL SPREAD	:	2.002	1.687	1.687
EXTREME SPREAD	:	3.227	2.610	2.143
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C68348945

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HE = 2.386

VS = 2.215

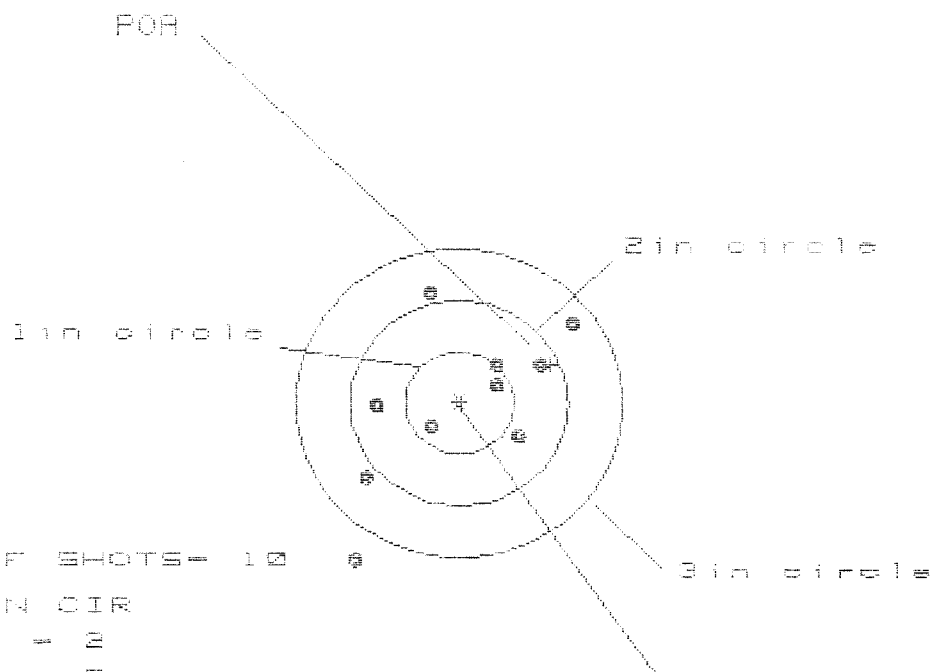
GS = 2.813

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.216	1.093	1.209
MINIMUM X	:	-1.110	-1.143	-1.027
MAXIMUM Y	:	1.136	1.158	.976
MINIMUM Y	:	-1.079	-.952	-.808
CENTROID X	:	-.363	-.240	-.356
CENTROID Y	:	.216	.089	-.055
POA TO CENTROID in.	:	.422	.256	.361
MIN RADIUS	:	.250	.332	.215
MEAN RADIUS	:	.943	.853	.750
MAX RADIUS	:	1.589	1.487	1.222
HORIZONTAL SPREAD	:	2.326	2.236	2.236
VERTICAL SPREAD	:	2.215	2.110	1.784
EXTREME SPREAD	:	2.813	2.610	2.265
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 0.018

VS= 2.626

GS= 3.104

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.038
MINIMUM X	-0.980
MAXIMUM Y	1.091
MINIMUM Y	-1.535
CENTROID X	-0.841
CENTROID Y	-0.378
POA TO CENTROID in.	0.922
MIN RADIUS	0.329
MEAN RADIUS	0.887
MAX RADIUS	1.821
HORIZONTAL SPREAD	2.018
VERTICAL SPREAD	2.626
EXTREME SPREAD	3.104
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	9