

C6349031

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00151233

Serial: C6349031 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 9/16/2008 2:29:00 PM

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
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

9/16/2008

3:28 PM

CAPS

NUM

INS

SCRL



3:28 PM

Serial Number: C6349031
Model: M24 SWS
RE00151233

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0140

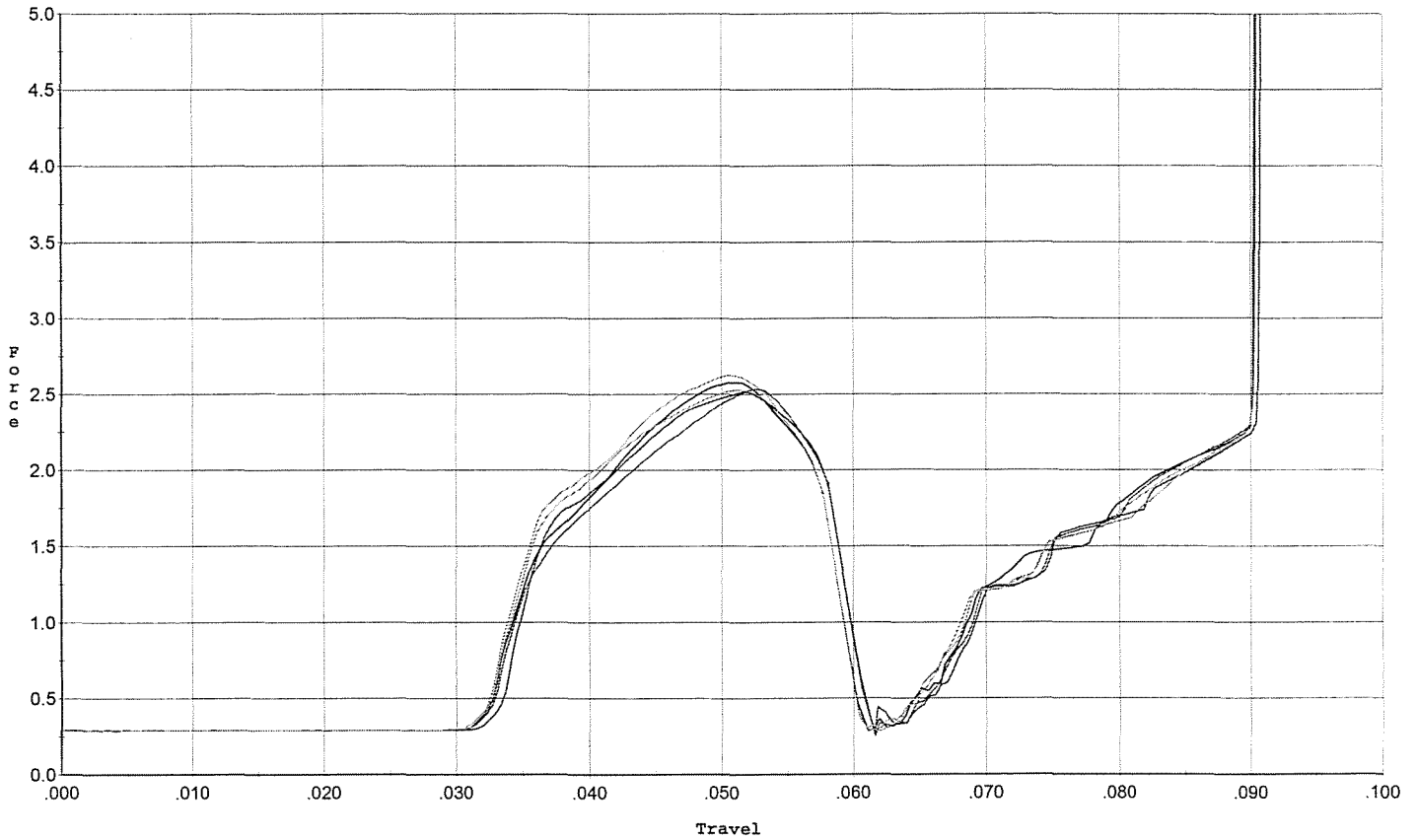
ISSUE NUMBER	151233
ISSUE NUMBER	C6349031
LOAN DATE	89-16-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-17-08	RTZ
505	RE-BARREL	9-22-08	RTZ
560	ASSEMBLE	9-22-08	RTZ
600	PROOF	9-22-08	SPD
605	CHECK HEADSPACE	9-22-08	SPD
610	DIS-ASSEMBLE GUN	9-22-08	SPD
612	MAGNAFLUX	9/30/08	RTZ
510	DRILL AND TAP	9-23-08	SP
615	ROLLMARK CALIBER	9/30/08	RTZ
618	ROTO-BLAST		
620	APPLY COATINGS	10-1-08	RTZ
625	FINAL ASSEMBLY	10-7-08	RTZ
640	FUNCTION TEST AND	PASS FAIL	10-8-08 SPD
650	TARGET	PASS FAIL	10-8-08 SPD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		10-2-08 TC
	A) HEADSPACE	PASS FAIL	10-22-08 SPD
	B) TRIGGER PULL	2.63 2.69 2.64 2.69 2.68	10-13-08 TC
	C) SAFETY ON FORCE	5.0 5.0 5.5	10-22-08 SPD
	D) SAFETY OFF FORCE	6.0 5.0 5.0	10-22-08 SPD
	E) FIRING PIN INDENT	.022 .022 .021	10-22-08 SPD
690	PACK		10/14/08 FM

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/2/08

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



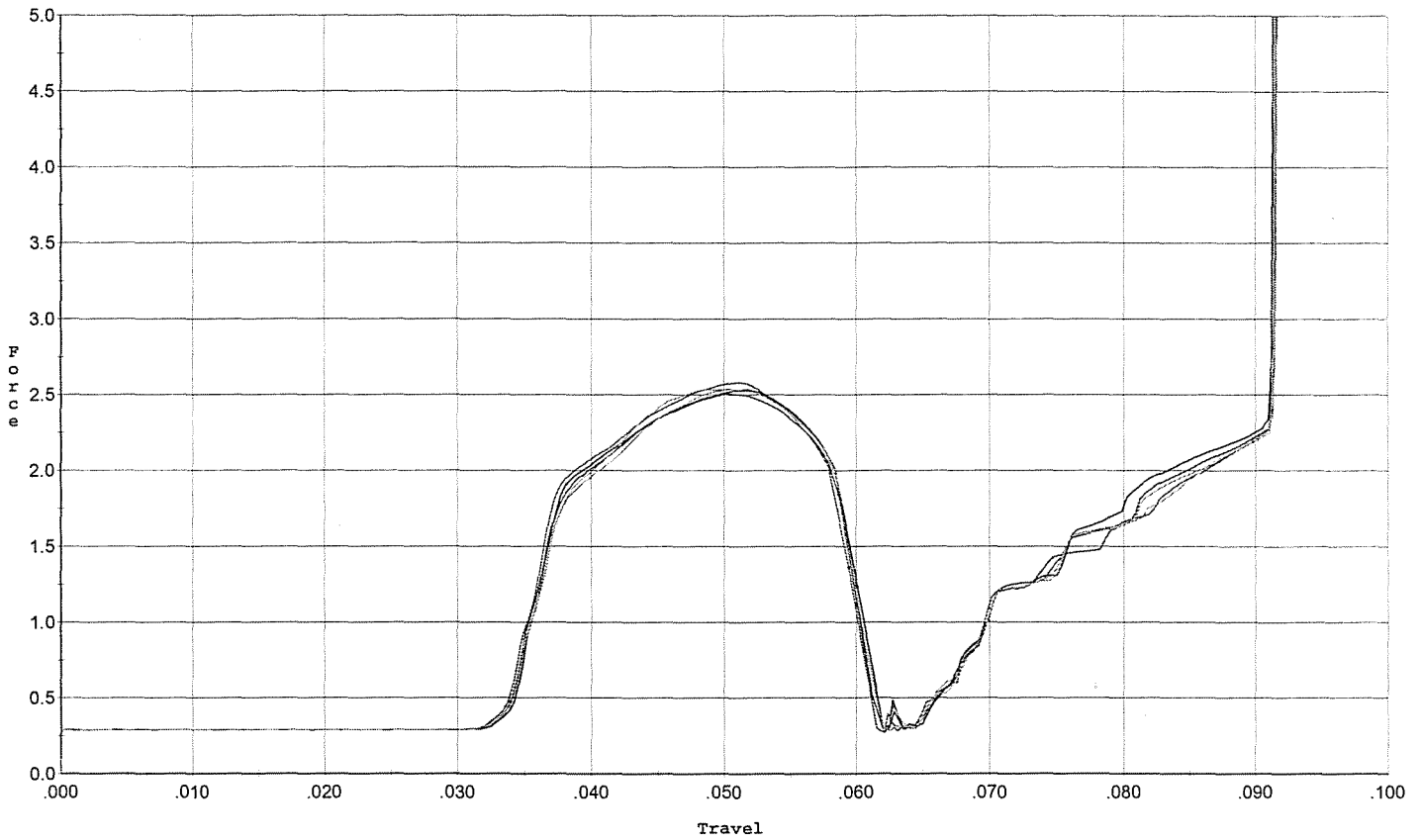
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.517	0.058	0.033	0.037	0.060		Set Trigger
2	2.580	0.058	0.033	0.037	0.060		Set Trigger
3	2.533	0.058	0.033	0.037	0.060		Set Trigger
4	2.528	0.058	0.033	0.037	0.061		Set Trigger
5	2.625	0.058	0.033	0.037	0.063		Set Trigger

AVG 2.55

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/2/08

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



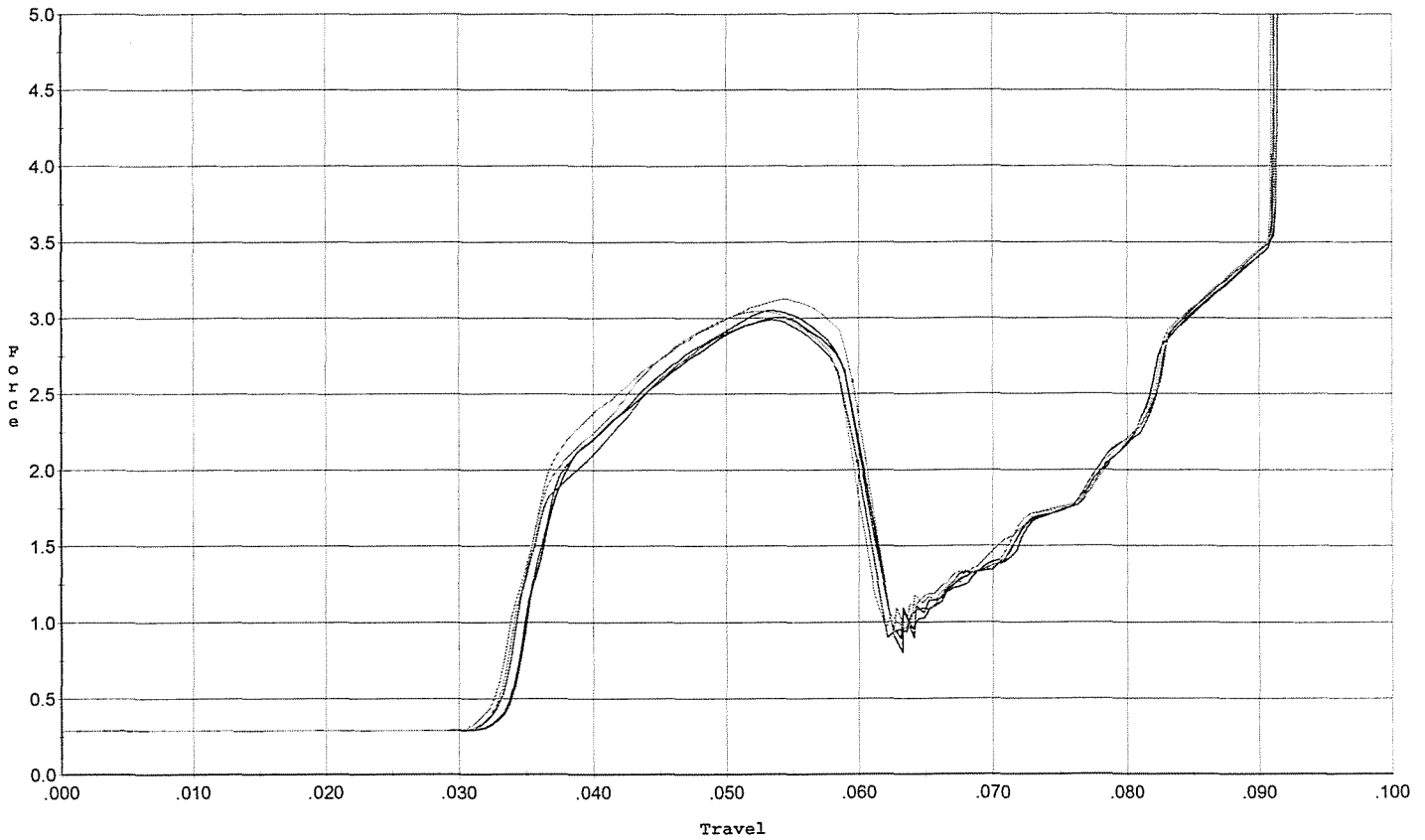
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.506	0.059	0.034	0.037	0.062		Set Trigger
2	2.534	0.060	0.034	0.037	0.064		Set Trigger
3	2.582	0.059	0.034	0.037	0.064		Set Trigger
4	2.529	0.058	0.034	0.037	0.062		Set Trigger
5	2.536	0.059	0.034	0.037	0.062		Set Trigger

Avg 2.53

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/2/08

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



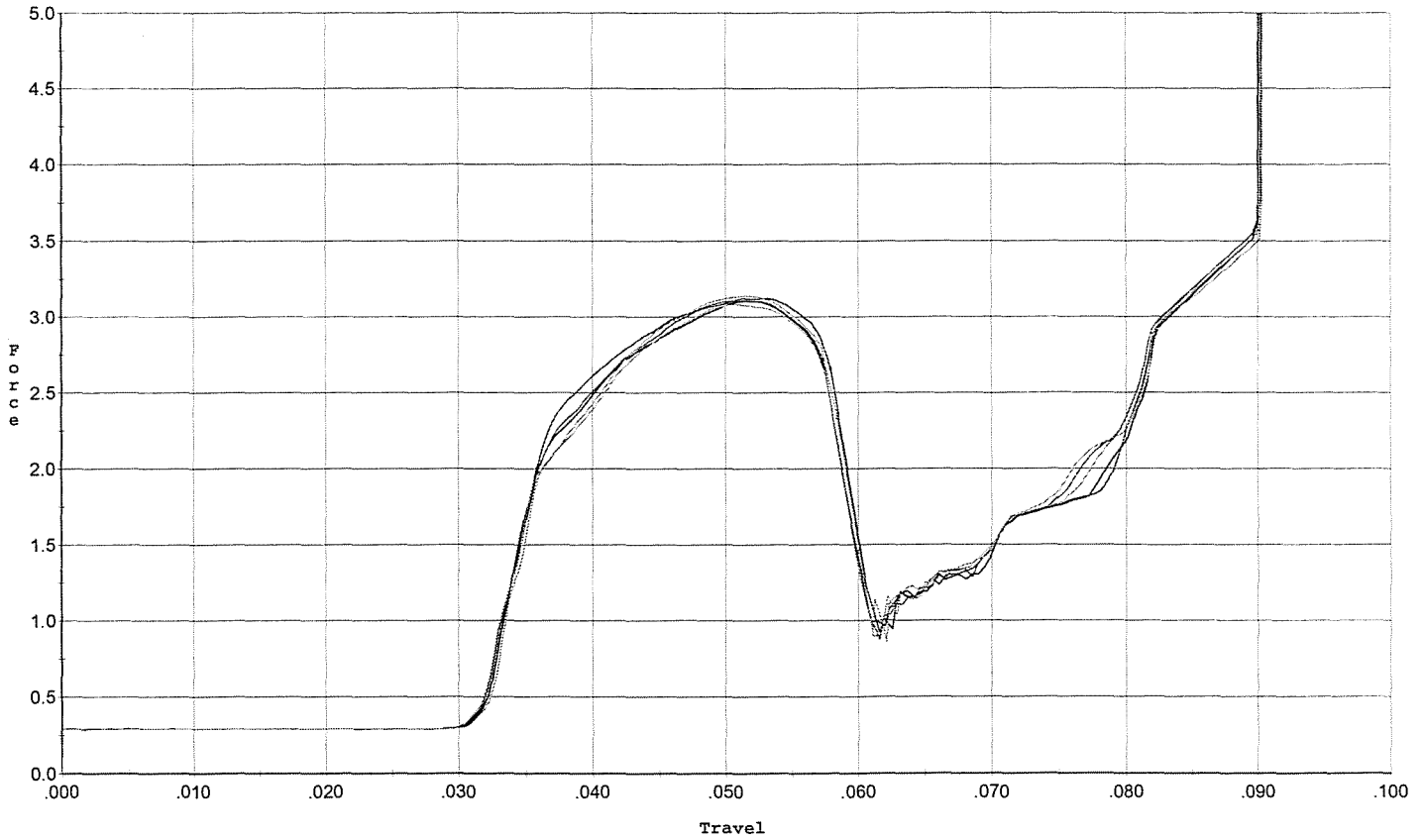
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.051	0.059	0.034	0.036	0.073		Set Trigger
2	3.002	0.061	0.034	0.035	0.075		Set Trigger
3	2.988	0.060	0.033	0.035	0.074		Set Trigger
4	3.045	0.059	0.033	0.036	0.074		Set Trigger
5	3.125	0.060	0.033	0.035	0.078		Set Trigger

Avg 3.04

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/2/08

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



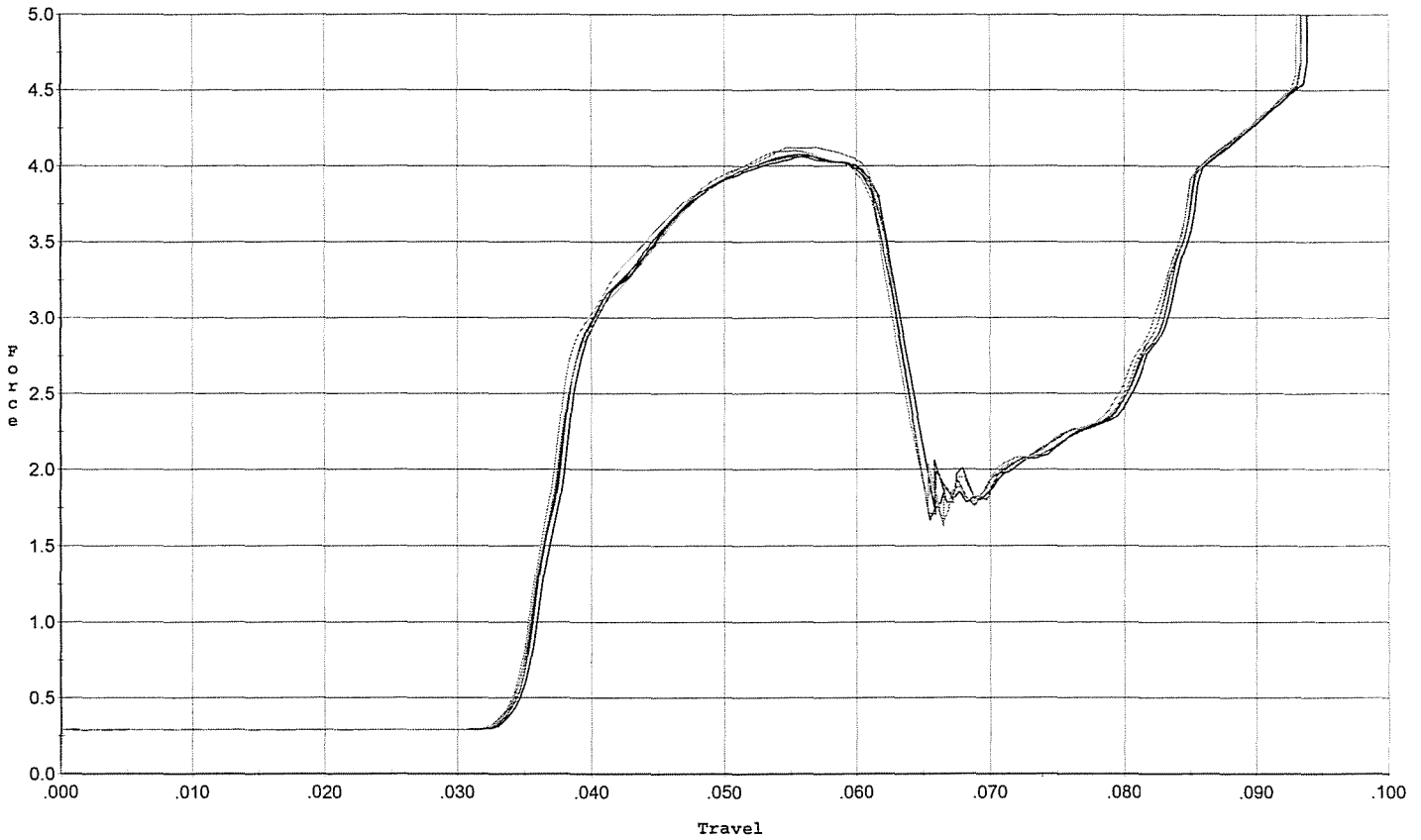
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.123	0.058	0.032	0.035	0.078		Set Trigger
2	3.104	0.057	0.032	0.036	0.075		Set Trigger
3	3.107	0.057	0.032	0.035	0.076		Set Trigger
4	3.085	0.057	0.032	0.035	0.075		Set Trigger
5	3.138	0.058	0.032	0.035	0.077		Set Trigger

Avg 3.11

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/2/08

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



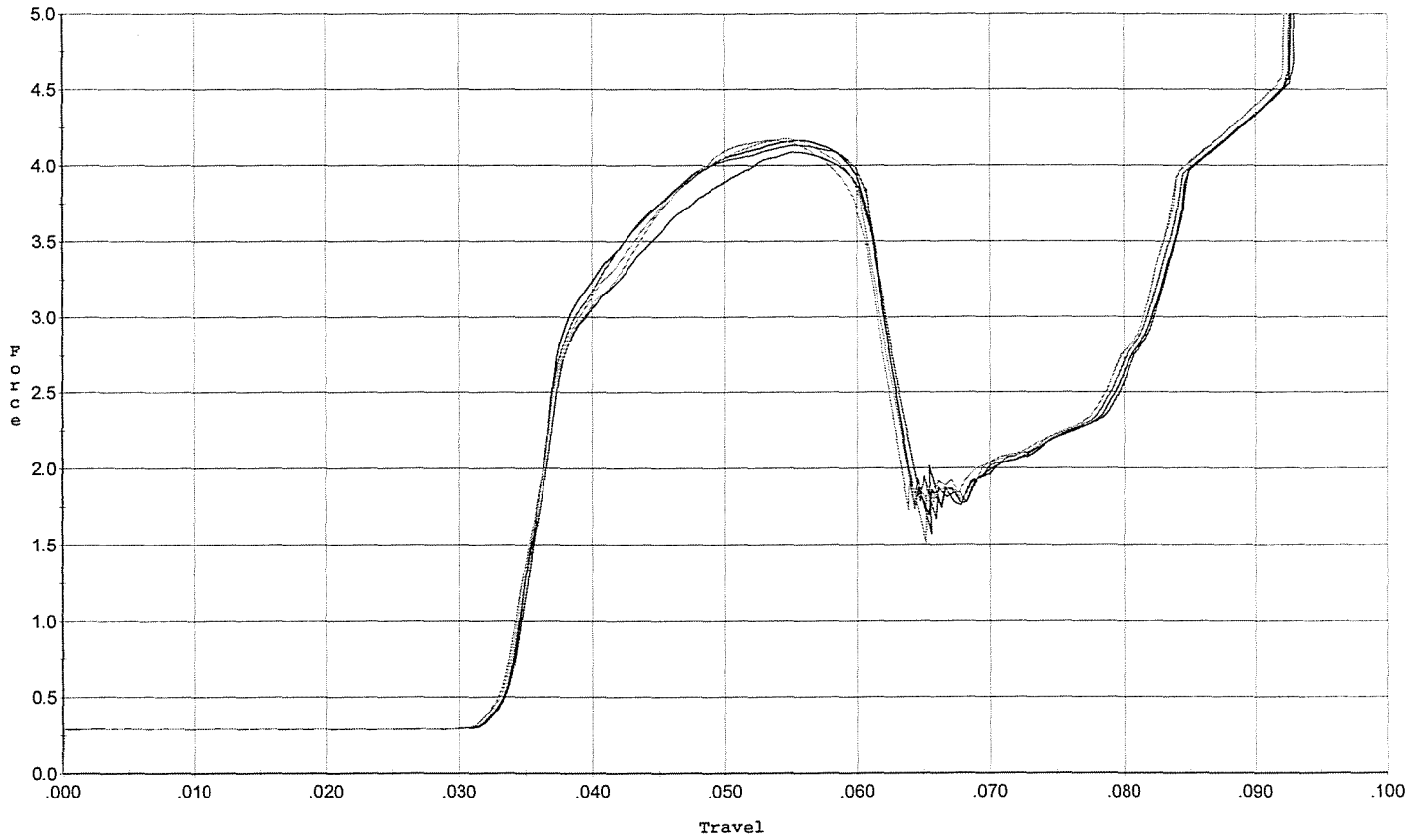
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.075	0.063	0.034	0.035	0.106		Set Trigger
2	4.065	0.062	0.035	0.035	0.103		Set Trigger
3	4.064	0.062	0.034	0.035	0.105		Set Trigger
4	4.120	0.062	0.034	0.034	0.107		Set Trigger
5	4.101	0.061	0.034	0.035	0.103		Set Trigger

Avg 4.08

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/2/08

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



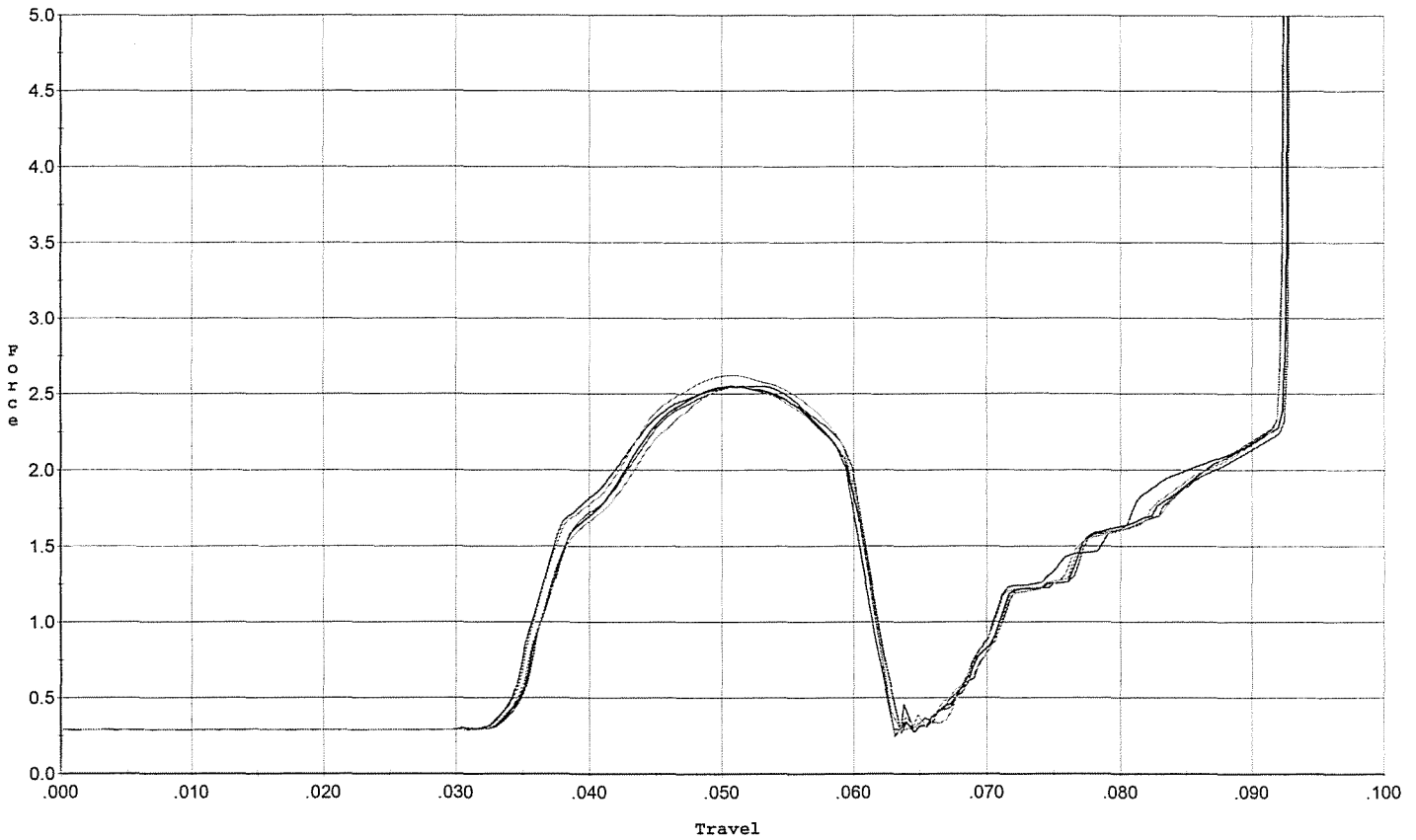
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.088	0.061	0.033	0.035	0.104		Set Trigger
2	4.164	0.061	0.033	0.034	0.107		Set Trigger
3	4.132	0.061	0.033	0.034	0.106		Set Trigger
4	4.174	0.060	0.033	0.034	0.104		Set Trigger
5	4.166	0.061	0.033	0.034	0.104		Set Trigger

Avg 4.14

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/2/08

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



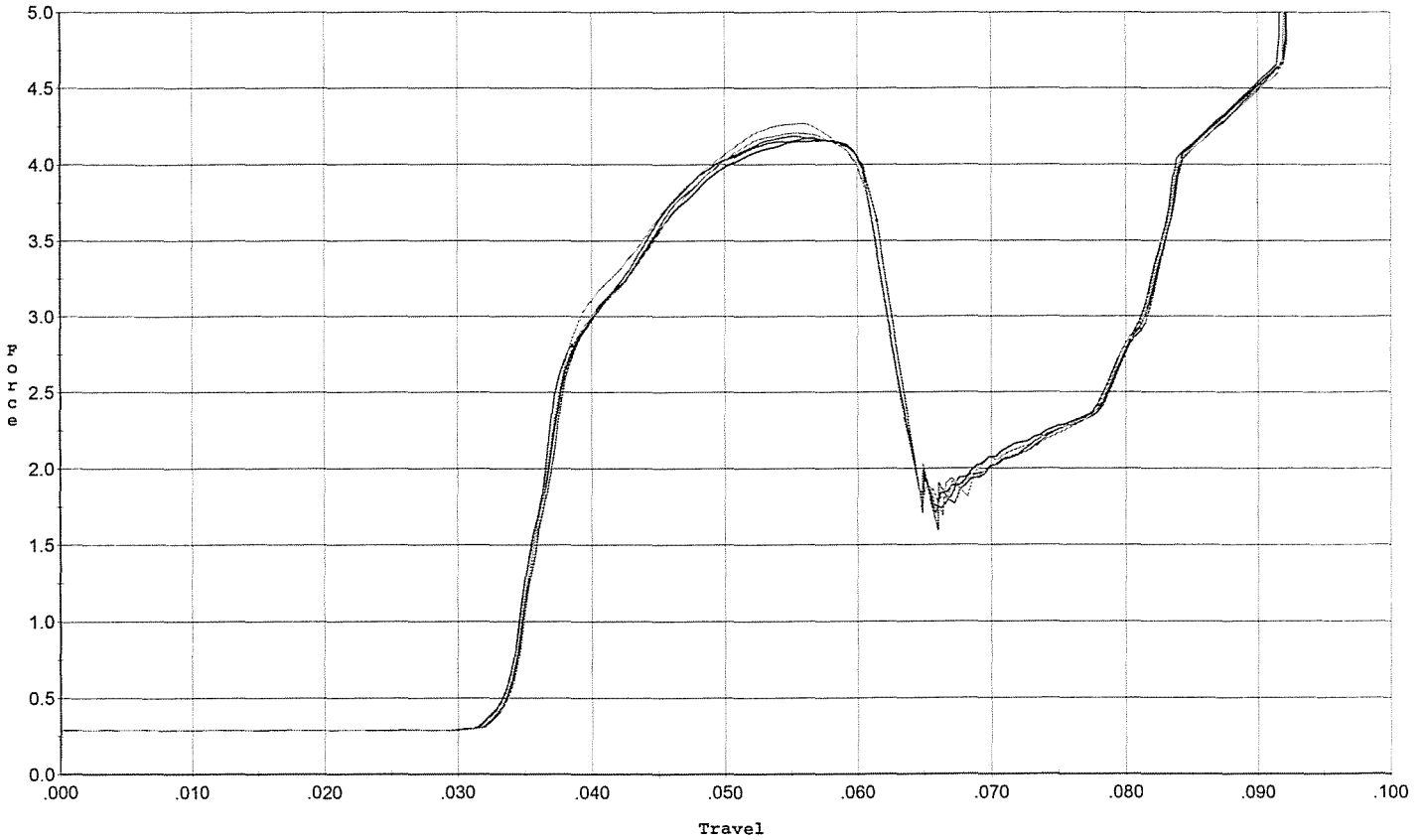
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.550	0.059	0.034	0.037	0.064		Set Trigger
2	2.552	0.060	0.035	0.038	0.063		Set Trigger
3	2.541	0.060	0.035	0.037	0.063		Set Trigger
4	2.623	0.060	0.034	0.037	0.065		Set Trigger
5	2.554	0.060	0.035	0.037	0.062		Set Trigger

Avg 2.56

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/2/08

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	4.175	0.060	0.033	0.034	0.104		Set Trigger
2	4.157	0.060	0.034	0.034	0.103		Set Trigger
3	4.185	0.061	0.034	0.034	0.106		Set Trigger
4	4.206	0.061	0.033	0.034	0.104		Set Trigger
5	4.269	0.061	0.034	0.034	0.105		Set Trigger

Avg 4.19

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349031.___0

FILE DATE AND TIME: 10/08/2008 15:44

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.138
The Average Y Centroid of the Five Target Set:	0.014
The Average Point of Impact of the Five Target Set:	0.139
The Average Mean Radius of the Five Target Set:	0.708
The Distance from POA to Centroid Target #1:	0.205
The Distance from Centroid Target #2 to Centroid Target #1:	0.212
The Distance from Centroid Target #3 to Centroid Target #1:	0.129
The Distance from Centroid Target #4 to Centroid Target #1:	0.069
The Distance from Centroid Target #5 to Centroid Target #1:	0.182

SERIAL NUMBER: C6349031. __0

TARGET NUMBER: 1

FILE DATE: 10/08/2008

FILE TIME: 15:44

X CENTROID: -0.199

Y CENTROID: 0.050

POA TO CENTROID: 0.205

HORZ SPREAD: 2.104

VERT SPREAD: 1.597

GROUP SPREAD: 2.403

MIN RADIUS: 0.132

MAX RADIUS: 1.488

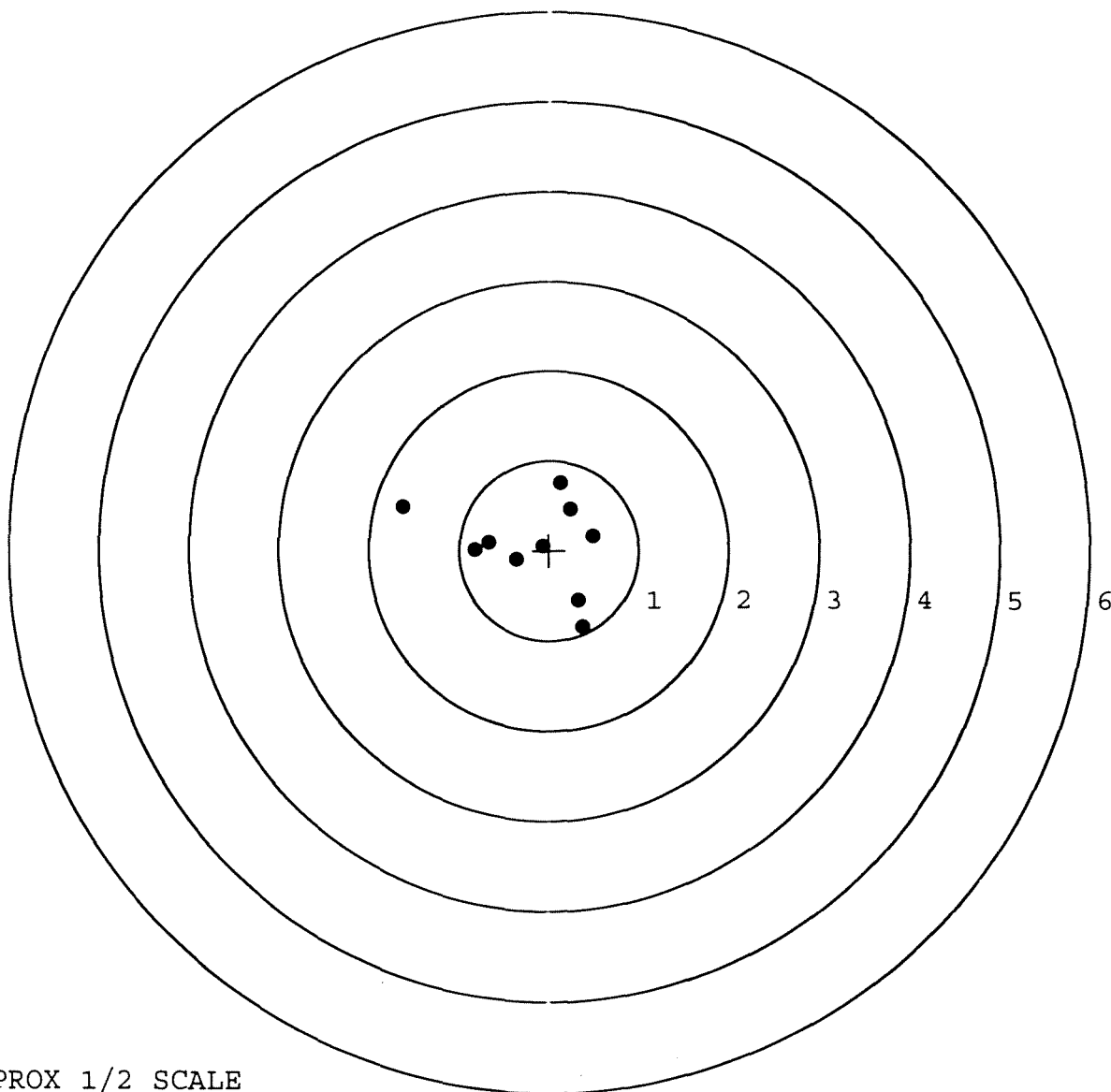
MEAN RADIUS: 0.688

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.622	0.485
2:	0.129	0.750
3:	0.378	-0.847
4:	0.325	-0.559
5:	0.482	0.164
6:	0.236	0.466
7:	-0.820	0.007
8:	-0.671	0.092
9:	-0.361	-0.104
10:	-0.067	0.050

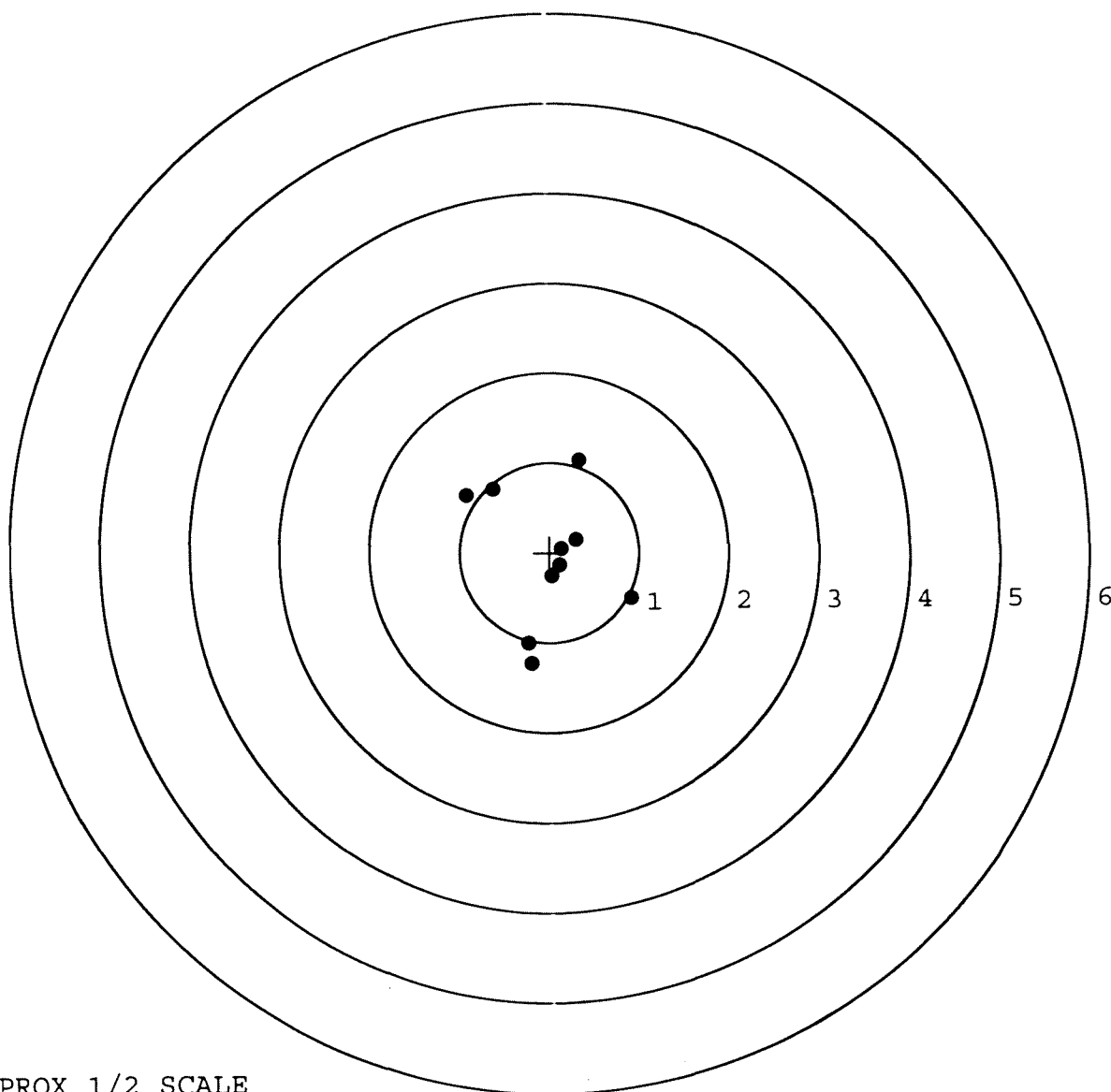


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349031. __0
TARGET NUMBER: 2
FILE DATE: 10/08/2008
FILE TIME: 15:44

X CENTROID: -0.018
Y CENTROID: -0.061
POA TO CENTROID: 0.064
HORZ SPREAD: 1.822
VERT SPREAD: 2.262
GROUP SPREAD: 2.327
MIN RADIUS: 0.155
MAX RADIUS: 1.191
MEAN RADIUS: 0.739
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.339	1.026
2:	-0.629	0.707
3:	-0.915	0.646
4:	-0.246	-1.012
5:	-0.209	-1.236
6:	0.907	-0.519
7:	0.026	-0.262
8:	0.113	-0.143
9:	0.130	0.040
10:	0.303	0.144



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349031. 0

TARGET NUMBER: 3

FILE DATE: 10/08/2008

FILE TIME: 15:44

X CENTROID: -0.120

Y CENTROID: 0.152

POA TO CENTROID: 0.193

HORZ SPREAD: 2.066

VERT SPREAD: 2.779

GROUP SPREAD: 3.233

MIN RADIUS: 0.073

MAX RADIUS: 1.681

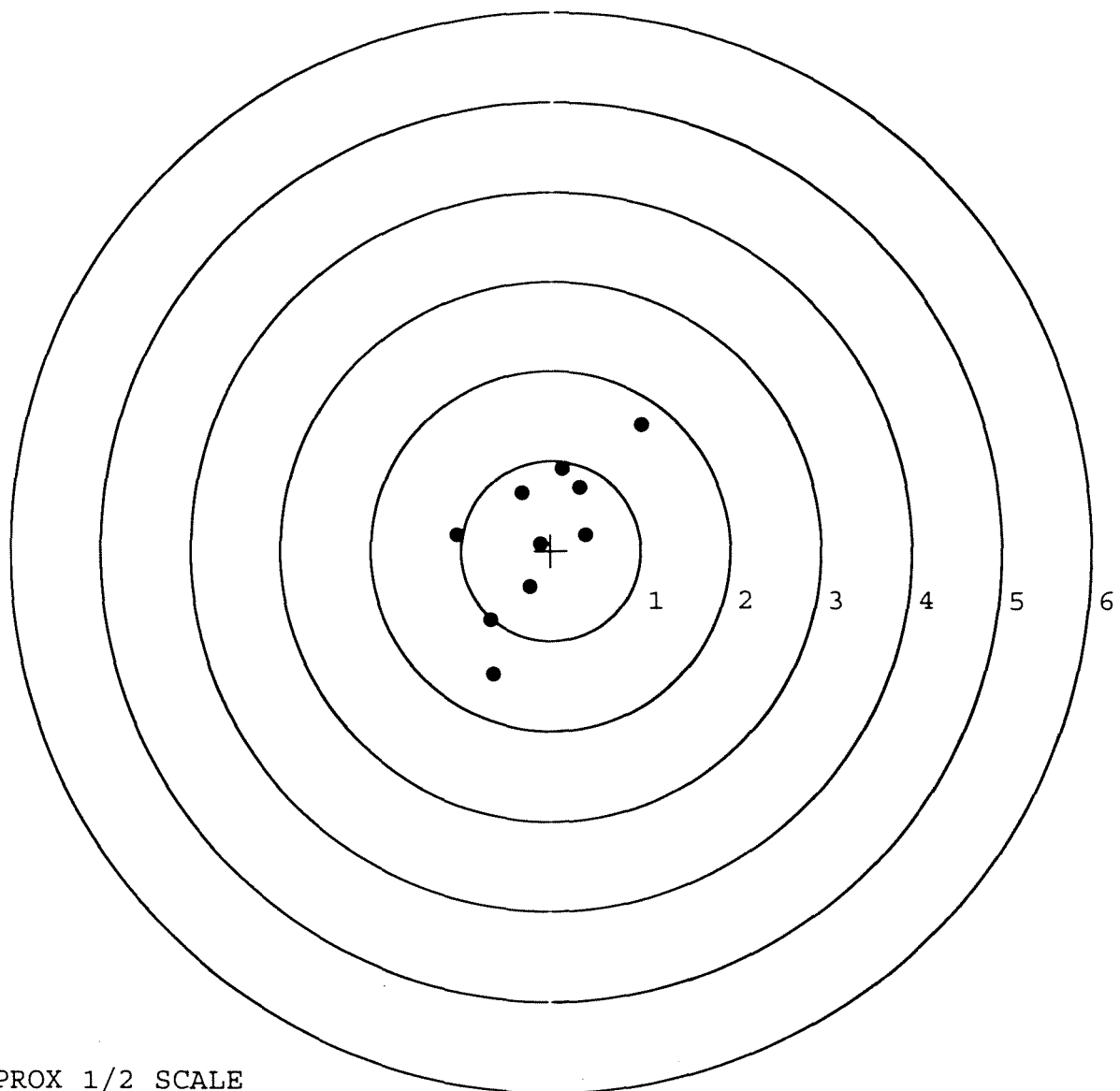
MEAN RADIUS: 0.850

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.013	1.394
2:	-0.639	-1.385
3:	-0.668	-0.779
4:	-0.236	-0.404
5:	-1.053	0.177
6:	-0.324	0.641
7:	0.123	0.911
8:	0.322	0.704
9:	0.383	0.180
10:	-0.117	0.079



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349031. __ 0

TARGET NUMBER: 4

FILE DATE: 10/08/2008

FILE TIME: 15:44

X CENTROID: -0.262

Y CENTROID: 0.023

POA TO CENTROID: 0.263

HORZ SPREAD: 1.897

VERT SPREAD: 1.255

GROUP SPREAD: 1.941

MIN RADIUS: 0.148

MAX RADIUS: 1.247

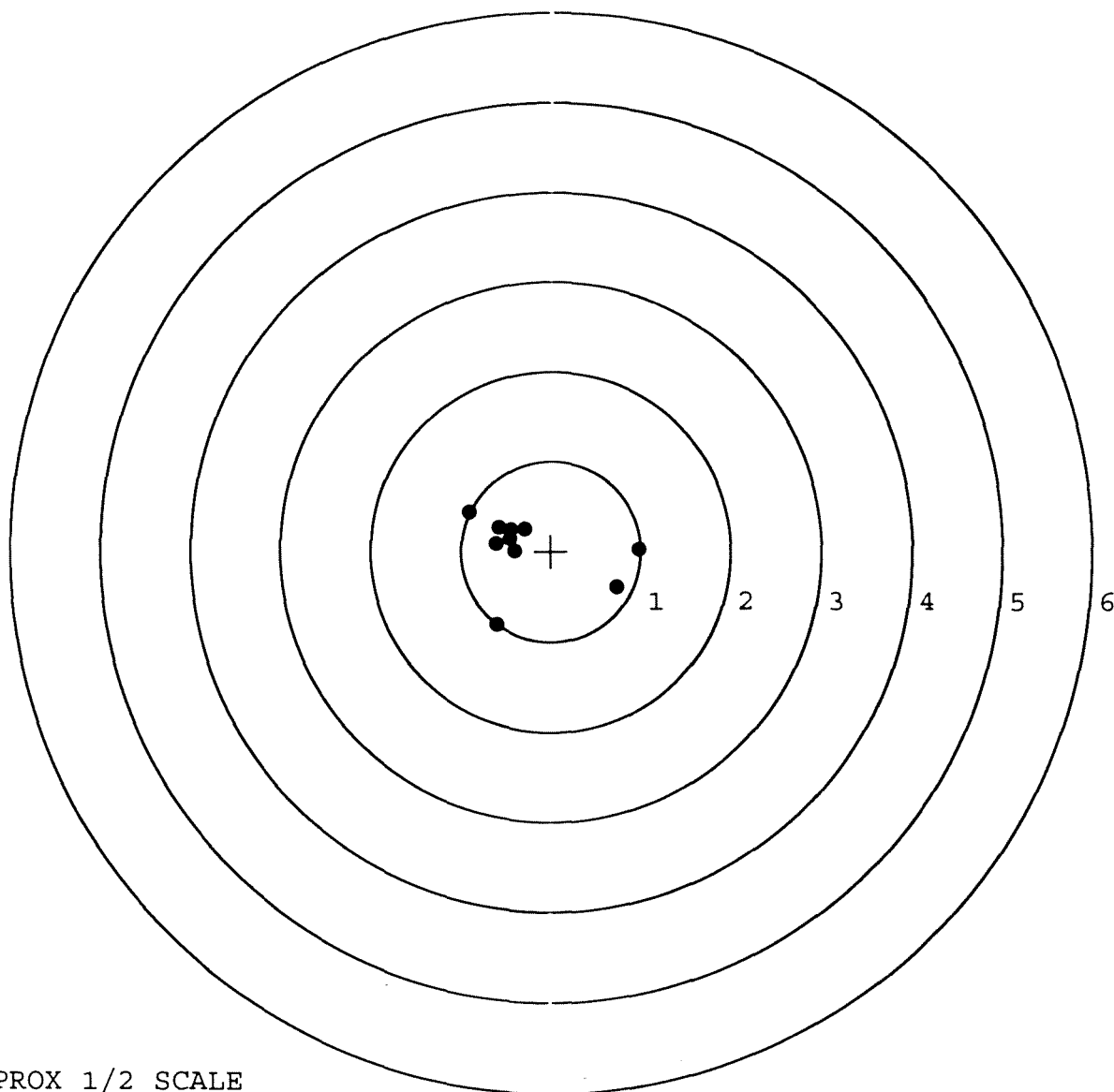
MEAN RADIUS: 0.567

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.985	0.024
2:	0.727	-0.402
3:	-0.601	-0.820
4:	-0.912	0.435
5:	-0.584	0.268
6:	-0.449	0.240
7:	-0.295	0.251
8:	-0.618	0.090
9:	-0.408	-0.003
10:	-0.463	0.143



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349031. __0

TARGET NUMBER: 5

FILE DATE: 10/08/2008

FILE TIME: 15:44

X CENTROID: -0.092

Y CENTROID: -0.096

POA TO CENTROID: 0.133

HORZ SPREAD: 1.493

VERT SPREAD: 1.627

GROUP SPREAD: 1.979

MIN RADIUS: 0.234

MAX RADIUS: 1.125

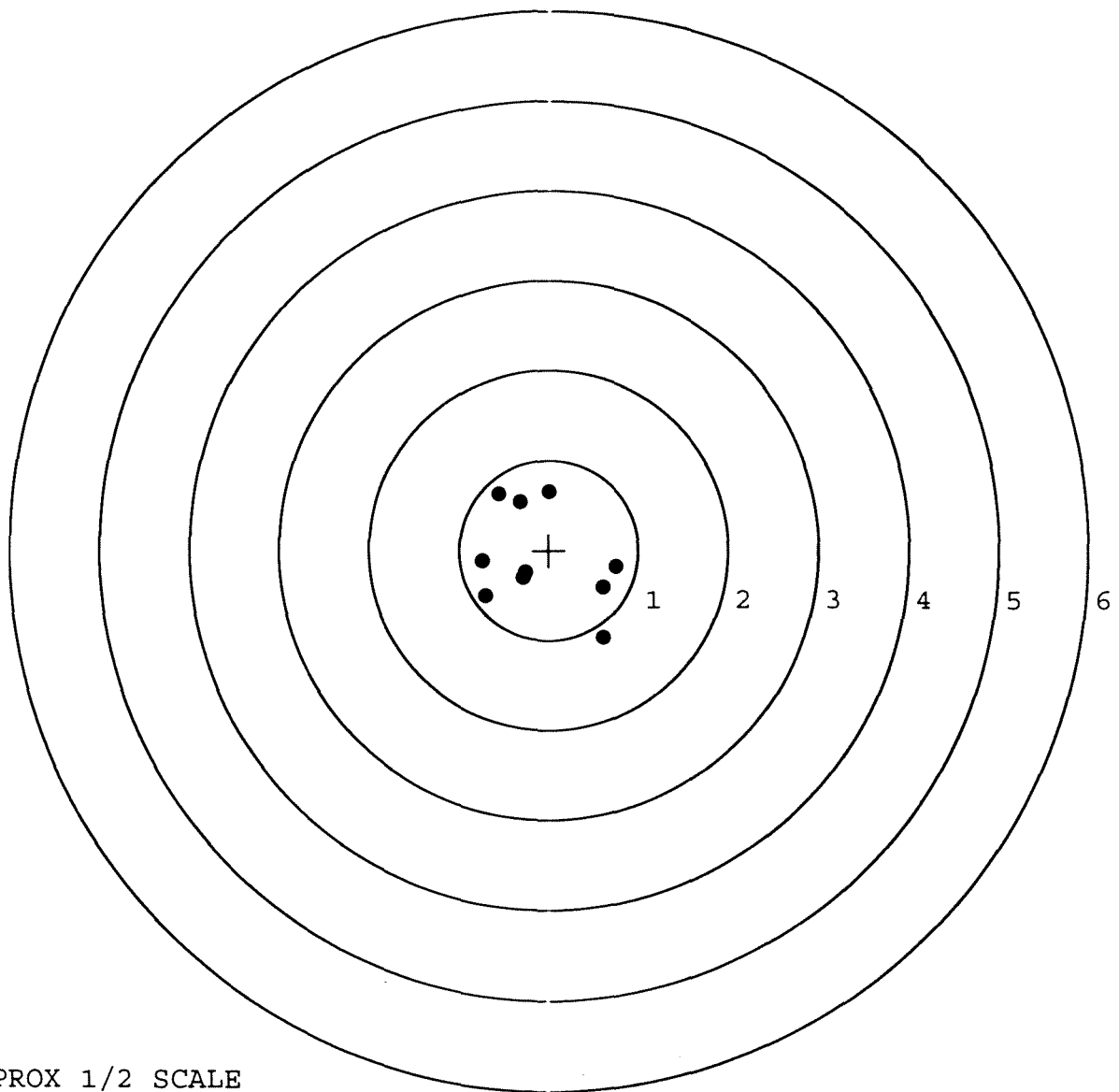
MEAN RADIUS: 0.695

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.612	-0.974
2:	0.604	-0.416
3:	0.750	-0.185
4:	-0.560	0.621
5:	-0.320	0.537
6:	0.006	0.653
7:	-0.743	-0.121
8:	-0.708	-0.512
9:	-0.293	-0.312
10:	-0.265	-0.253



TARGET APPROX 1/2 SCALE

RECEIVING AND ESTIMATING REPORT

R 99-09159

INITIAL **SWS** CUSTOMER ORDER NO. **368**

DATE RECEIVED **04/07/99** DATE OPENED **04/08/99** DATE CODE **BK 1-90** SERIAL NUMBER **C6349031** NEW SERIAL NUMBER MODEL AND GRADE **700 7.62 M24**

ACCESSORIES **W/STUDS** SCOPE BASE

FROM:

US ARMY
ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)
FORT CAMPBELL

KY 42223

SHIP TO:

US ARMY
ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)
FORT CAMPBELL

KY

42223

CUST NO: 208414 C.O.D.

ACCOUNT NUMBER ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

DOOR

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN AMMO FUNCTION FINISH ACCURACY FIT INSPECT

CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS

COMMENTS

Barrel
Extractor 96003
21816

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

M2400106229

Receipt Of Firearm(s) Delivered to the Plant for Repair
Firearm Checked For Live Ammunition ☒

File # 00368

Delivery Date 4/7/99

Customer Name (Print) US Army, James C. Starns Jr.
Address GSC 5th Special Forces Group State Fort Campbell, KY Zip 42223
Phone Number (502)- 798- 2882 / 7932

Firearm Description Model 700 (m24) Cal./ Ga. 762
Serial Number C6349031
Stock/ Fore-end Condition circle the description
(Excellent; Good; Fair; Poor; Fancy; Plain; Synthetic; Wood)
Comments on Stock/ Fore-end condition Fair
Metal Condition circle the description
(Excellent; Good; Fair; Poor; Fancy; Plain Stainless Steel)
Comments on Metal condition _____
Barrel Type (VT. Rib; Plain; Deer; Stainless Steel) Barrel length _____
List additional accessories IE Scope, Sling, Gun case and description;

Customer request: Reconditioning

Return Process Return to Clark St. Ent. [] Return via UPS ☒

By signing this receipt the person delivering the firearm understands to be the only person to receive the firearm upon completion of repairs.

Signature James C. Starns Jr. Date 4/7/99
person delivering firearm.

Signature [Signature] Date 4/7/99
security officer

Signature Aug. Larquaine Date 4/7/99
arms service / CSR

Customer Pick Up Verification

I certify, I am the same person whom delivered the above described firearm to the Remington Ilion plant for repair and may lawfully possess a firearm in New York State

Signature _____ Date ____/____/____
person receiving firearm must be the same whom delivered

Signature _____ Date ____/____/____
security officer or other witness returning the firearm

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349031
18 Jun 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0636
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0256
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0685589

THE AMR FOR THIS RIFLE IS: 1.07

CENTROIDAL DISTANCES

0	TO	1	.211123
1	TO	2	.248944
1	TO	3	.411526
1	TO	4	.141315
1	TO	5	.119004

3
+5, <----POA
2

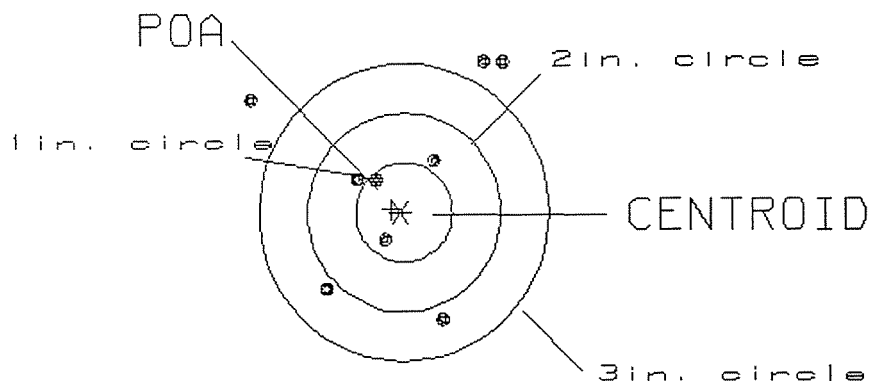
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .097
 MIN RADIUS : .378
 MEAN RADIUS : 1.280
 MAX RADIUS : 3.091
 CENTROID X : .093
 CENTROID Y : -.028

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349031

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.57

2

VS= 4.56

4

GS= 4.70

6

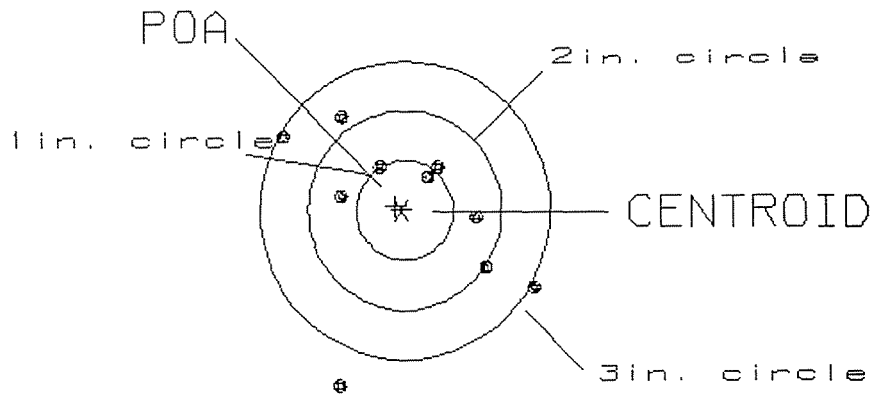
PATTERN #: 2

POA TO CENTROID: .070
 MIN RADIUS : .404
 MEAN RADIUS : .990
 MAX RADIUS : 1.883
 CENTROID X : .061
 CENTROID Y : -.034

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349031

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.57
 VS= 2.75
 GS= 2.97

1
 6
 9

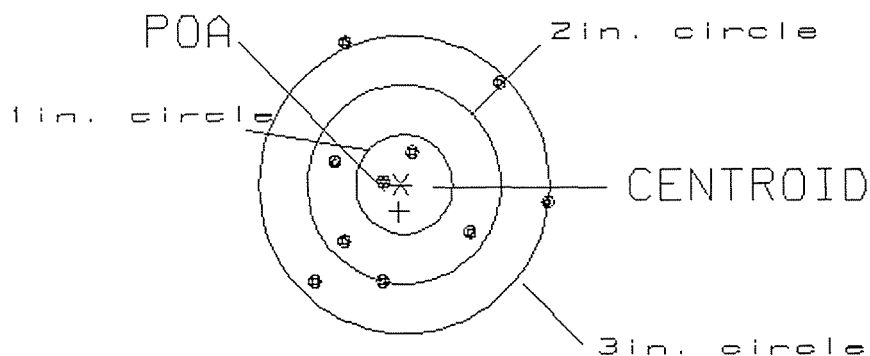
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .271
 MIN RADIUS : .228
 MEAN RADIUS : 1.000
 MAX RADIUS : 1.611
 CENTROID X : .017
 CENTROID Y : .270

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349031

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

H3= 2.42

2

V5= 2.49

5

G5= 2.76

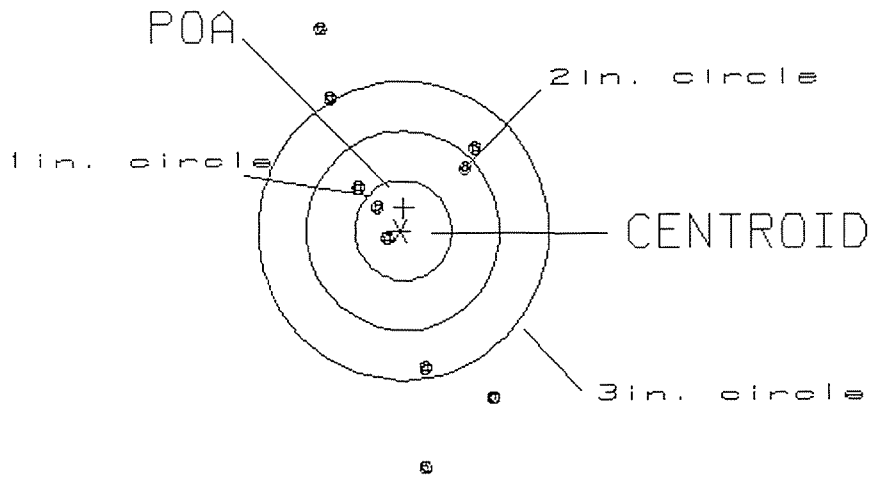
8

PATTERN #: 4
 POA TO CENTROID: .231
 MIN RADIUS : .217
 MEAN RADIUS : 1.275
 MAX RADIUS : 2.416
 CENTROID X : -.035
 CENTROID Y : -.229

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349031

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 1.77
 VS= 4.49
 GS= 4.61

2
 4
 6

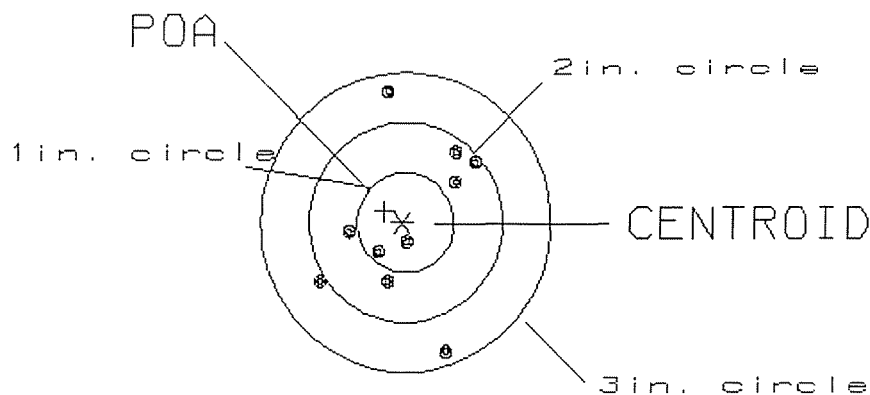
PATTERN #: 5

POA TO CENTROID: .211
 MIN RADIUS : .163
 MEAN RADIUS : .805
 MAX RADIUS : 1.314
 CENTROID X : .182
 CENTROID Y : -.107

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349031

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.67

2

VS= 2.55

7

GS= 2.62

10

Remington[®]



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

MODEL 700TM H24

SERIAL NO.

C6349031

ORDER NO.

5716

01

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



5716 C6349031

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349031

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12	90	RW
600	Proof	1 12	90	A
607	Check Headspace	1 12	90	A
610	Dis-assemble Gun	1 12	90	RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber		1/17/90	C.S
617	Drill and Tap Sight Holes		1/19/90	FOB
618	Polish Barrel RB		1/22/90	WB
620	Apply Coatings (Barrel Action)		1-20-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/2/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/2/90	RW
625	C) Inspect Ejector Hole for Chamfer		2/2/90	RW
	D) Oil Firing Pin Ass'y		2/2/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-8-90	gl

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2-12-90	JH
	G) Safety Off Force	4	4	4			2-12-90	JH
	H) Trigger Pull Test & Retainability						2-8-90	JH
	I) Firing Pin Indent	.022	.022	.022			2-12-90	JH
	J) Assemble Stock						3/9/90	RW
	K) Assemble Swivel Studs						3/14/90	WB
	L) Attach Front and Rear Sight Assemblies						3/9/90	RW
	M) Iron Sight Alignment						3/9/90	RW
	N) Detach Front & Rear Sights & place in numbered container						3/9/90	RW
	O) Attach Scope to Rifle						3/9/90	WB
	P) Detach & Attach Scope 20 Times						3/9/90	WB
640	Gallery Target & Test						3-13-90	AC
	A) Time						"	AC
	B) Malfunctions						"	AC
	C) Pierced Primers						"	AC
	D) Optical Clarity of Scope						"	AC
645	Inspect for Live Ammo						3-13-90	AC
655	Final Inspection							
	A) Headspace						15MAR90	JB
	B) Trigger Pull	278	280	253	273	276	15MAR90	JB
	C) Function						15MAR90	JB
660	Pack						19MAR90	JB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349031DATE 2-8-90TESTER Jel

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.40	2.40	2.78	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.36	2.42	2.80	
PULL #3	2.44	2.41	2.33	2.53	
PULL #4	2.46	2.47	2.46	2.73	
PULL #5	2.39	2.39	2.31	2.76	
TOTAL	12.10	12.01	11.92	13.60	
AVG.	2.42	2.402	2.384	2.72	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.34		
PULL #2	3.28	3.08		
PULL #3	3.29	3.29		
PULL #4	3.33	3.37		
PULL #5	3.33	3.31		
TOTAL	16.53	16.39		
AVG.	3.306	3.278		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.25		4.38
PULL #2	4.27	4.34		4.08
PULL #3	4.30	4.30		4.33
PULL #4	4.15	4.34		4.30
PULL #5	4.25	4.33		4.31
TOTAL	21.16	21.56		21.40
AVG.	4.22	4.312		4.28

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349031
13 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.342905
1 TO	2	.460124
1 TO	3	.817642
1 TO	4	.199264
1 TO	5	.813272

2 1st 3 5 <----POA

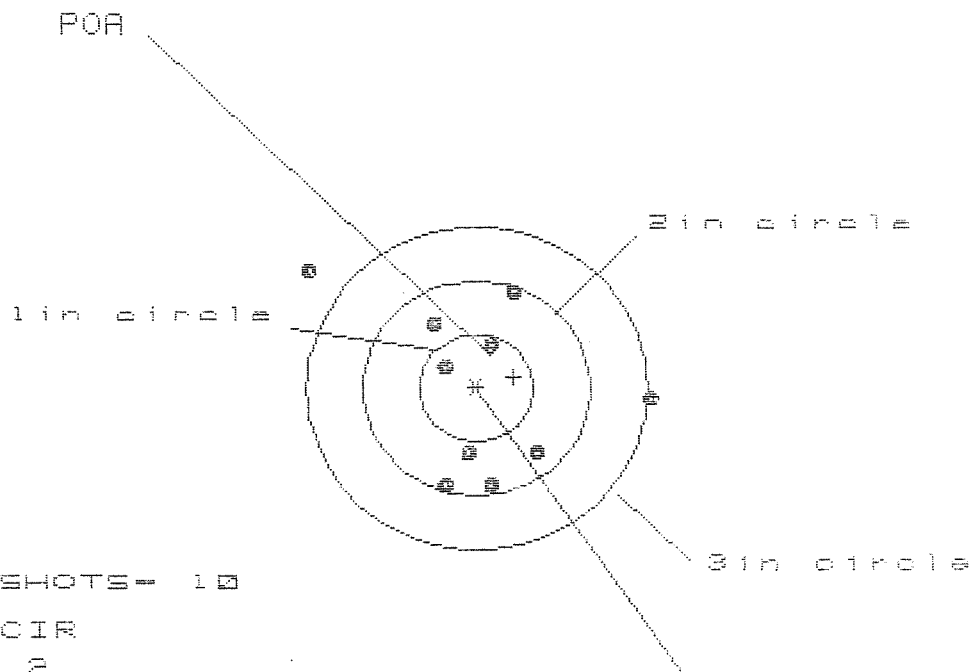
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0874
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.059
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .10545
THE AMR FOR THIS RIFLE IS: .9928

13 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349081

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 0

HS= 2.969

VS= 2.054

GS= 3.221

CENTROID *

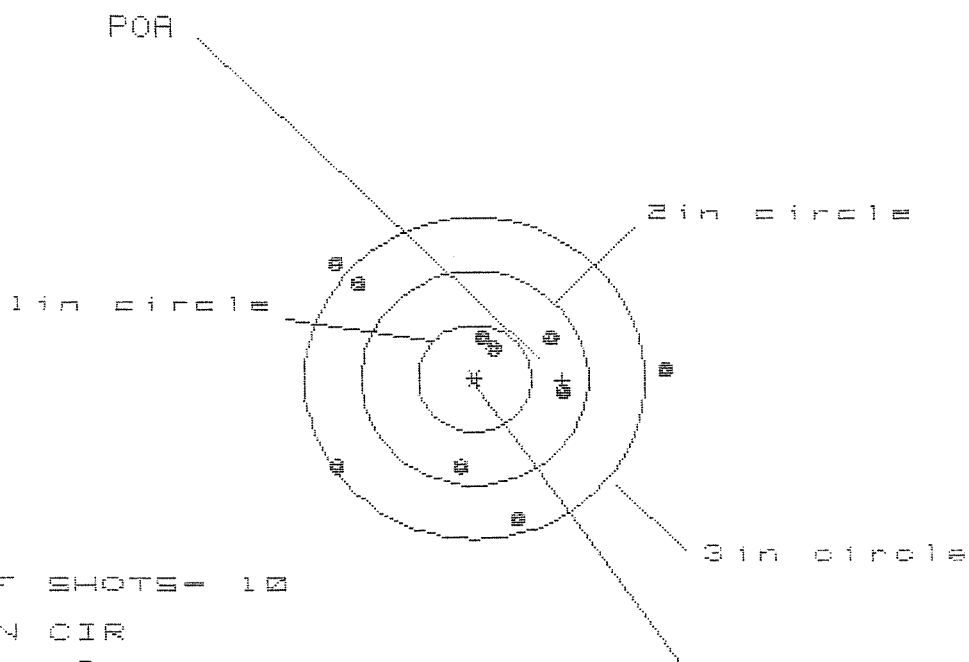
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.497	1.333	.491
MINIMUM X	-1.473	-.558	-.391
MAXIMUM Y	1.111	.994	.993
MINIMUM Y	-.943	-.820	-.821
CENTROID X	-.328	-.164	-.331
CENTROID Y	-.100	-.223	-.222
POA TO CENTROID in.	.342	.277	.398
MIN RADIUS	.322	.477	.391
MEAN RADIUS	.882	.773	.679
MAX RADIUS	1.845	1.333	1.043
HORIZONTAL SPREAD	2.969	1.891	.882
VERTICAL SPREAD	2.054	1.814	1.814
EXTREME SPREAD	3.221	2.022	1.830
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	0		

13 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349031

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.891

VS= 2.388

GS= 3.060

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.645	.940	.807
MINIMUM X	:	-1.246	-1.063	-1.175
MAXIMUM Y	:	1.064	1.071	1.009
MINIMUM Y	:	-1.324	-1.317	-1.184
CENTROID X	:	-.773	-.956	-.823
CENTROID Y	:	.017	.010	-.123
POA TO CENTROID in.	:	.773	.956	.832
MIN RADIUS	:	.295	.417	.444
MEAN RADIUS	:	1.056	1.010	.927
MAX RADIUS	:	1.646	1.509	1.413
HORIZONTAL SPREAD	:	2.891	2.003	1.982
VERTICAL SPREAD	:	2.388	2.388	2.193
EXTREME SPREAD	:	3.060	2.866	2.589
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349031

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 3.349

VS= 1.724

GS= 3.453

CENTROID *

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.558

1.359

1.340

MINIMUM X

-1.791

-1.535

-1.365

MAXIMUM Y

.773

.751

.828

MINIMUM Y

-.951

-.973

-.896

CENTROID X

.389

.588

.418

CENTROID Y

.293

.315

.238

POA TO CENTROID in.

.487

.667

.481

MIN RADIUS

.449

.502

.476

MEAN RADIUS

1.151

1.083

.999

MAX RADIUS

1.802

1.586

1.546

HORIZONTAL SPREAD

3.349

2.894

2.705

VERTICAL SPREAD

1.724

1.724

1.724

EXTREME SPREAD

3.453

3.067

2.918

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

7

13 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349031

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 1.355

VS= 3.013

GS= 3.112

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.589	.627	.578
MINIMUM X	:	-.766	-.728	-.777
MAXIMUM Y	:	1.525	1.268	1.103
MINIMUM Y	:	-1.488	-1.318	-.780
CENTROID X	:	-.133	-.171	-.122
CENTROID Y	:	-.059	-.229	-.064
POA TO CENTROID in.	:	.145	.286	.138
MIN RADIUS	:	.176	.204	.180
MEAN RADIUS	:	.826	.736	.644
MAX RADIUS	:	1.564	1.375	1.162
HORIZONTAL SPREAD	:	1.355	1.355	1.355
VERTICAL SPREAD	:	3.013	2.586	1.883
EXTREME SPREAD	:	3.112	2.708	2.012
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

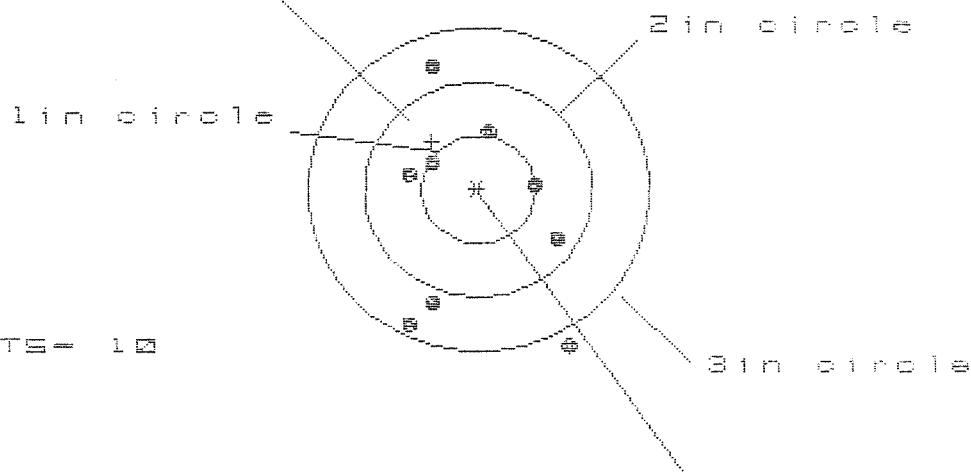
13 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8349031

CENTERFIRE PATTERNS

5

FOR



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HE= 1.413

VS= 3.492

GS= 3.513

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.772	.815	.806
MINIMUM X	:	-.641	-.598	-.497
MAXIMUM Y	:	2.013	1.416	1.259
MINIMUM Y	:	-1.479	-1.255	-1.189
CENTROID X	:	.408	.365	.264
CENTROID Y	:	-.446	-.670	-.513
FOR TO CENTROID in.	:	.605	.763	.577
MIN RADIUS	:	.451	.576	.389
MEAN RADIUS	:	1.049	.943	.844
MAX RADIUS	:	2.049	1.496	1.289
HORIZONTAL SPREAD	:	1.413	1.413	1.303
VERTICAL SPREAD	:	3.492	2.671	2.448
EXTREME SPREAD	:	3.513	2.927	2.456
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	