

11
C6498865



RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

114 [REDACTED]

COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒

TOTAL RETENTION: [REDACTED]

GS-11050 Rev. 8/78

11

C6498865

MODEL 700™ H24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400009174

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

02/25/09 12:20:10

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: RE00162714

Serial: C6498865 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1990

Repairman:

Status:

New 2/24/2009 1:30:04 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON AL

DEF DIST DEPOT ANNISTON AL

Address 1: 7 FRANKFORD AVE BLDG 362

7 FRANKFORD AVE BLDG 362

Address 2: PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201

Country: US

State: AL

Zip Code: 36201

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

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 Sg: Base	1

Repair Search

Refresh

Close

Refresh

Close

naglej

2/25/2009

2:28 PM

CAPS

NUM

INS

SCRL

start

9 Microsoft ...

5 Microsoft ...

My Excite - Wi...

Arms Services ...

Part Search by...

Create PM Noti...

2:28 PM

Serial Number: C6498865

Model: M24 SWS



RE00162714

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER 1.62714
SERIAL NUMBER C6498865
LOG-IN DATE 22409

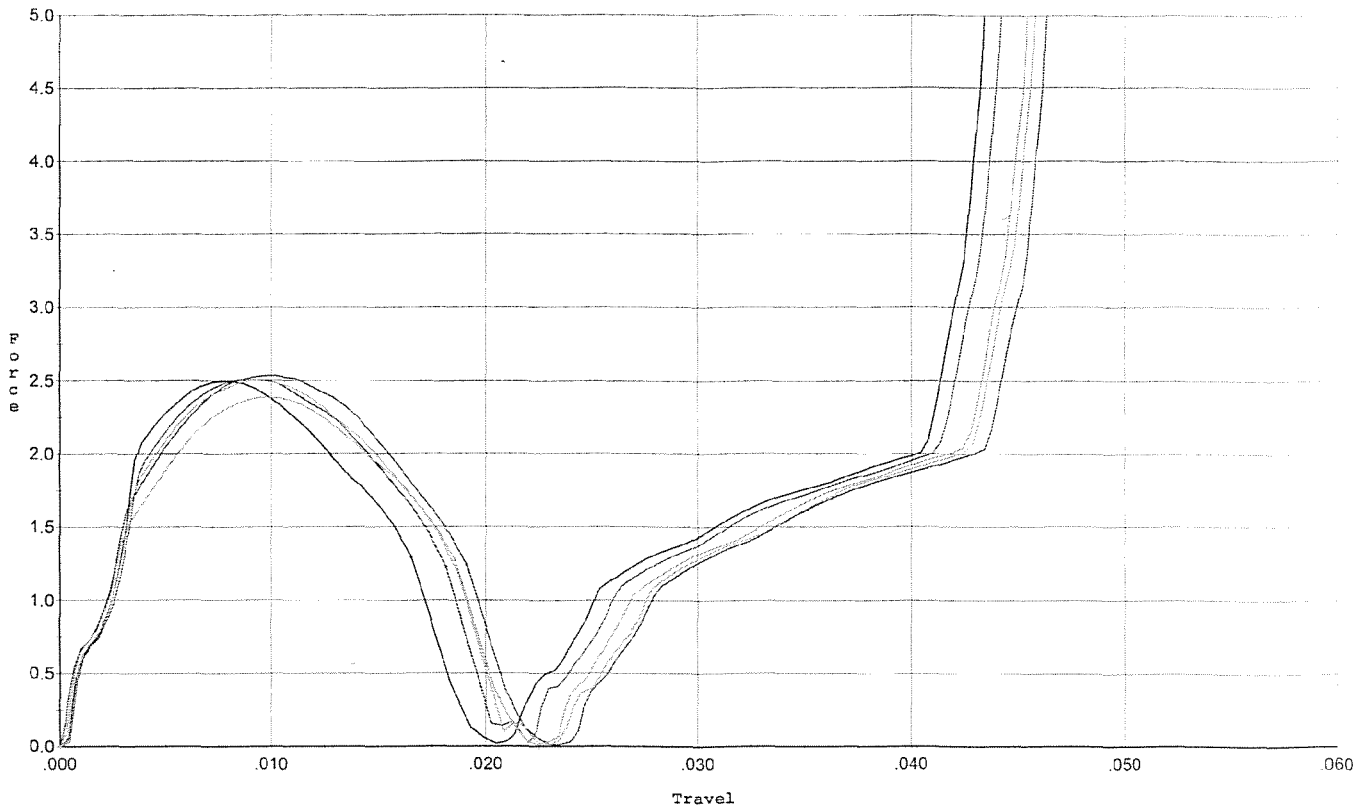
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6/17/09	KTC
505	RE-BARREL		6/24/09	KTC
420	ASSEMBLE		6/24/09	KTC
440	PROOF	MAGNAFLUX	6/23/09	SPD
460	CHECK HEADSPACE		6/23/09	SPD
470	DIS-ASSEMBLE GUN		6/23/09	SPD
480	MAGNAFLUX	OPERATOR 	6/26/09	
510	DRILL AND TAP		6/24/09	SP
500	ROLLMARK CALIBER		6/26/09	RTJ
520	GOFF BLAST BBL / REC		6/26/09	SP
530 & 540	APPLY COATINGS		7/2	✓
560	FINAL ASSEMBLY		7-8-09	KTC
640	FUNCTION TEST AND	<u>PASS</u> FAIL	7-8-09	RP
650	TARGET	<u>PASS</u> FAIL	7-8-09	RP
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	7-8-09	SPD
670	FINAL INSPECTION			
	A) HEADSPACE	<u>PASS</u> FAIL	7-13-09	SPD
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 276 244 234 226 262	7-13-09	SPD
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 4.0 4.0 4.0	7-13-09	SPD
	G) SAFETY OFF FORCE	2 LBS MIN 6.0 6.0 5.0	7-13-09	SPD
	I) FIRING PIN INDENT	.020 .024 .024 .024	7-13-09	SPD
690	PACK		7/14/09	Fm

F006 REV 1/2009

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

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



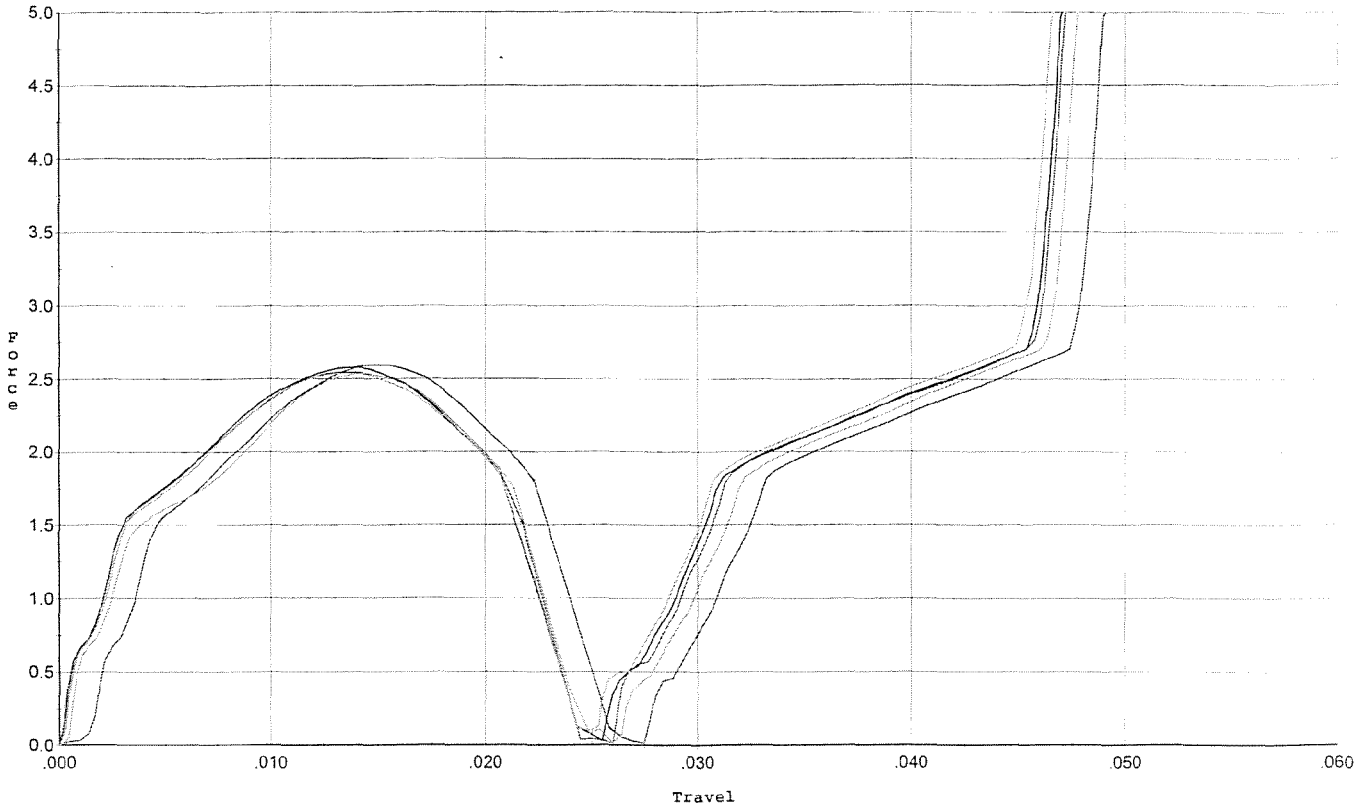
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.535	0.019	0.00	0.033	0.035		Set Trigger
2	2.496	0.017	0.00	0.032	0.029		Set Trigger
3	2.507	0.018	0.00	0.032	0.032		Set Trigger
4	2.505	0.019	0.00	0.033	0.033		Set Trigger
5	2.386	0.019	0.00	0.032	0.032		Set Trigger

Aug 2.48

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

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



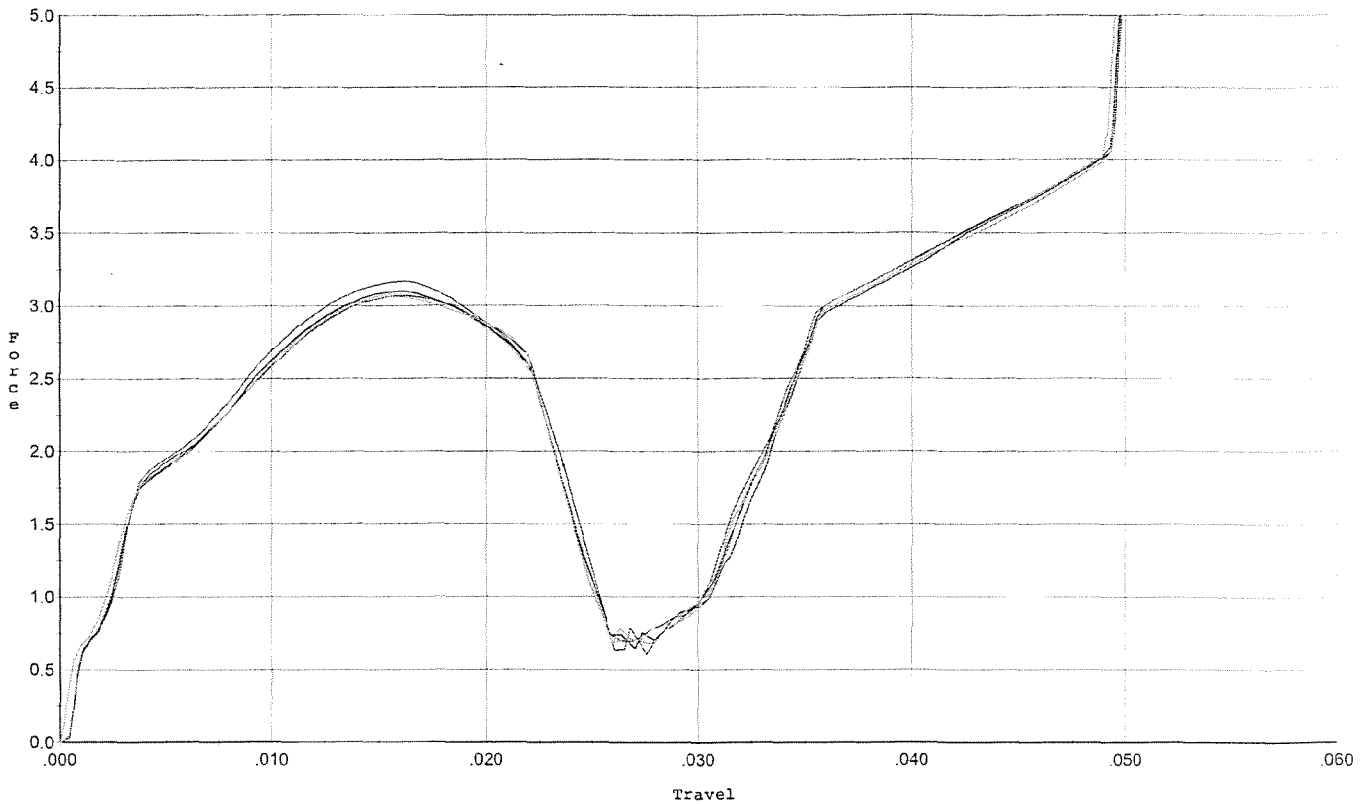
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.595	0.022	0.00	0.032	0.040		Set Trigger
2	2.580	0.022	0.00	0.031	0.042		Set Trigger
3	2.543	0.022	0.00	0.031	0.041		Set Trigger
4	2.537	0.022	0.00	0.030	0.041		Set Trigger
5	2.534	0.021	0.00	0.031	0.038		Set Trigger

Aug 2.55

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

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



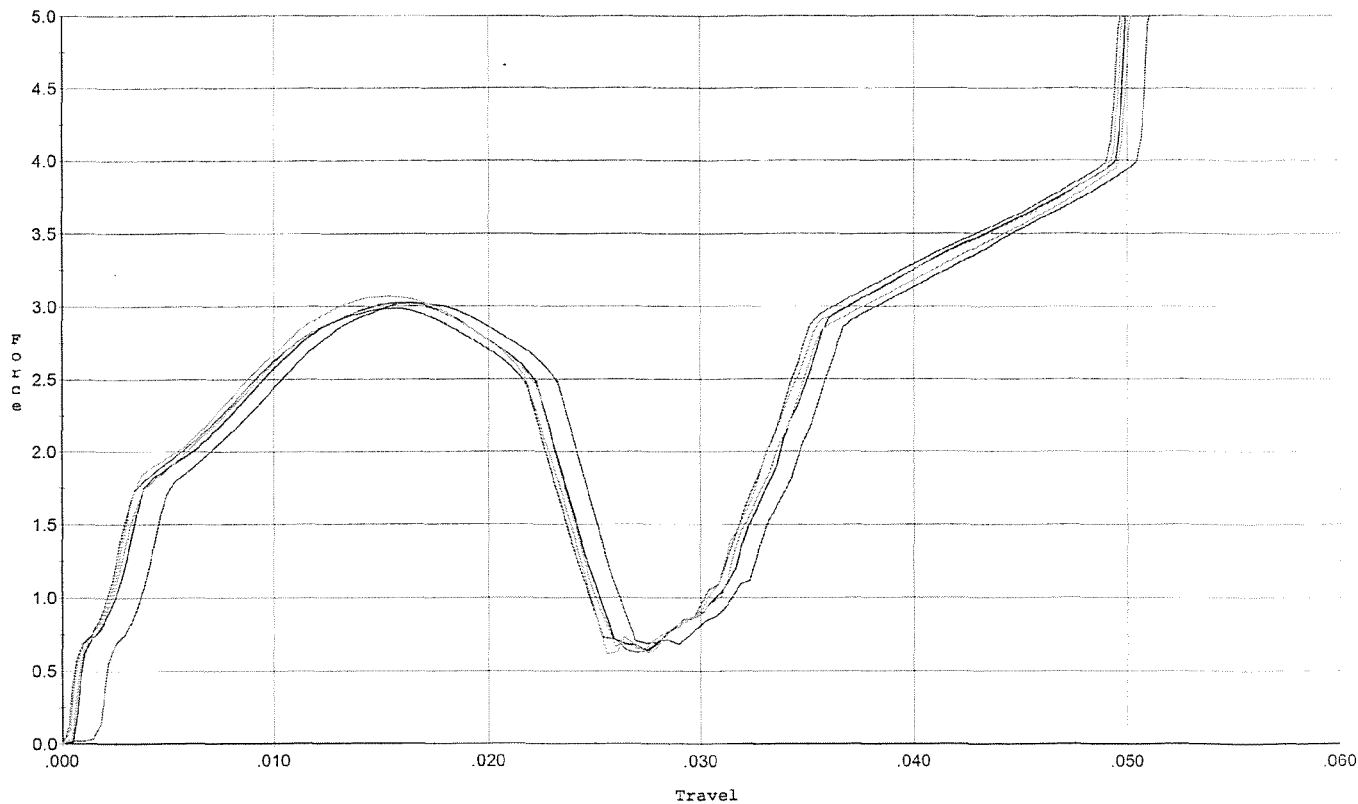
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.069	0.024	0.00	0.031	0.052		Set Trigger
2	3.099	0.022	0.00	0.031	0.049		Set Trigger
3	3.166	0.022	0.00	0.031	0.050		Set Trigger
4	3.065	0.022	0.00	0.031	0.049		Set Trigger
5	3.082	0.022	0.00	0.031	0.049		Set Trigger

Aug 3.08

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

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



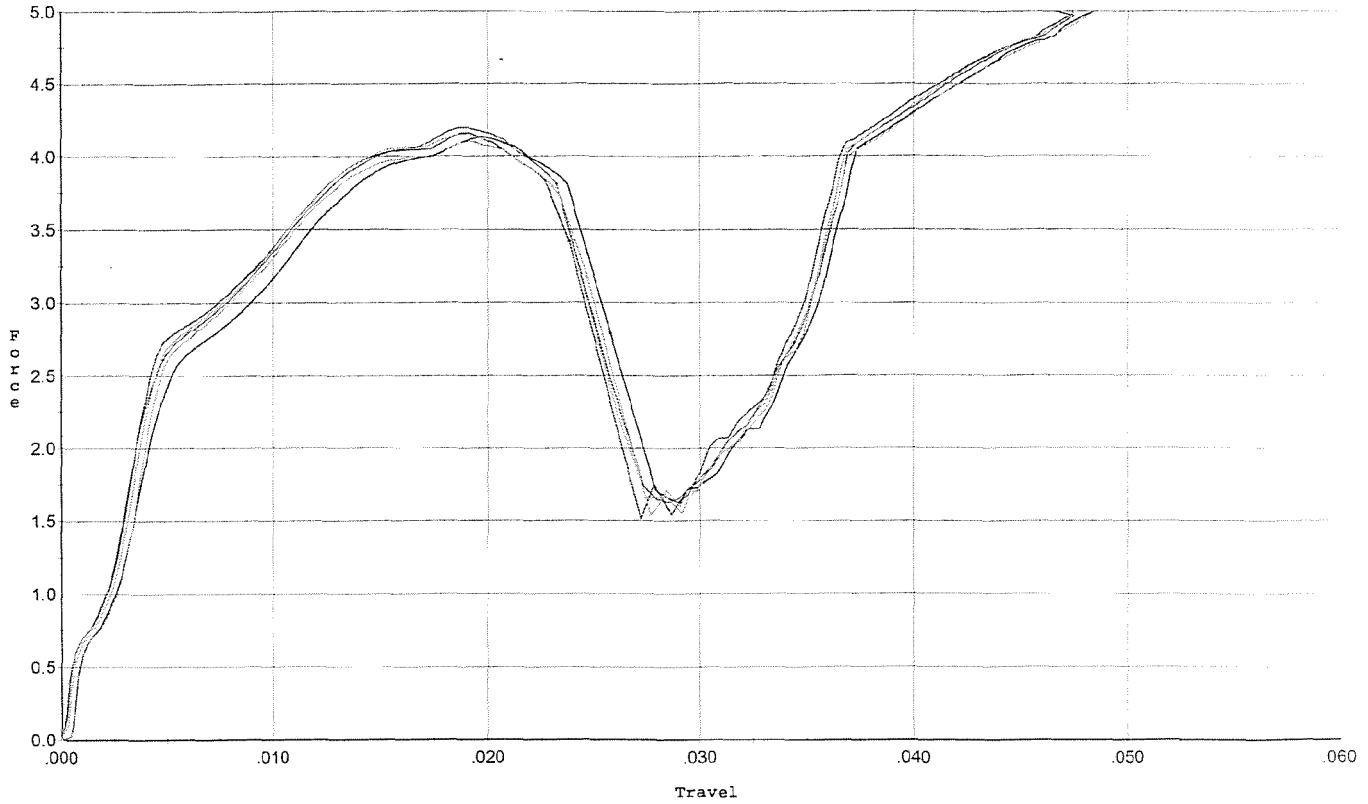
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.028	0.023	0.00	0.032	0.048		Set Trigger
2	3.028	0.022	0.00	0.032	0.048		Set Trigger
3	2.986	0.022	0.00	0.032	0.048		Set Trigger
4	3.070	0.023	0.00	0.031	0.052		Set Trigger
5	3.016	0.022	0.00	0.032	0.049		Set Trigger

Aug 3.02

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

Model: M/24
Serial No: Form #F005
Trigger: 4.80 lbs. ini. +/- 1.0 lbs.



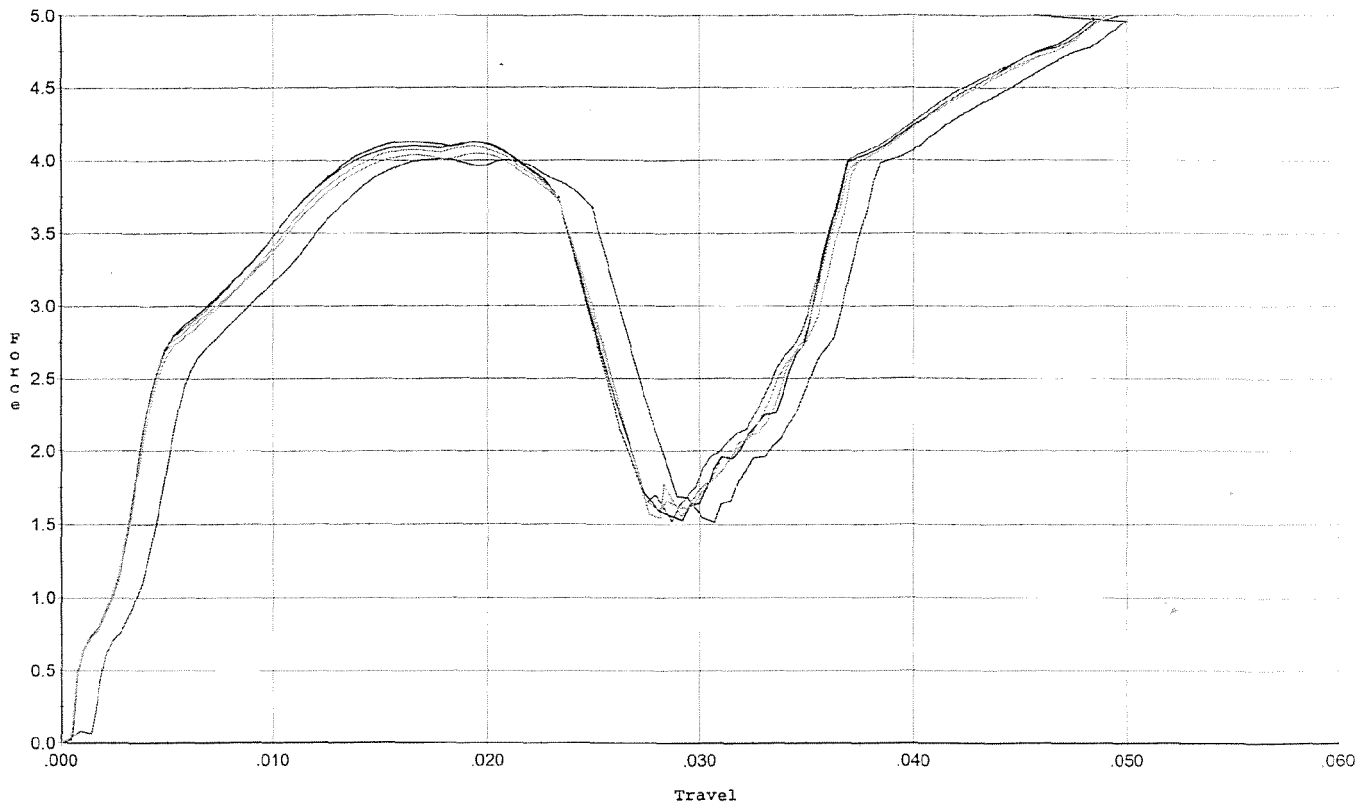
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.156	0.024	0.00	0.028	0.070		Set Trigger
2	4.133	0.026	0.00	0.028	0.074		Set Trigger
3	4.192	0.023	0.00	0.029	0.069		Set Trigger
4	4.153	0.023	0.00	0.028	0.069		Set Trigger
5	4.102	0.025	0.00	0.028	0.071		Set Trigger

Aug 4.14

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

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



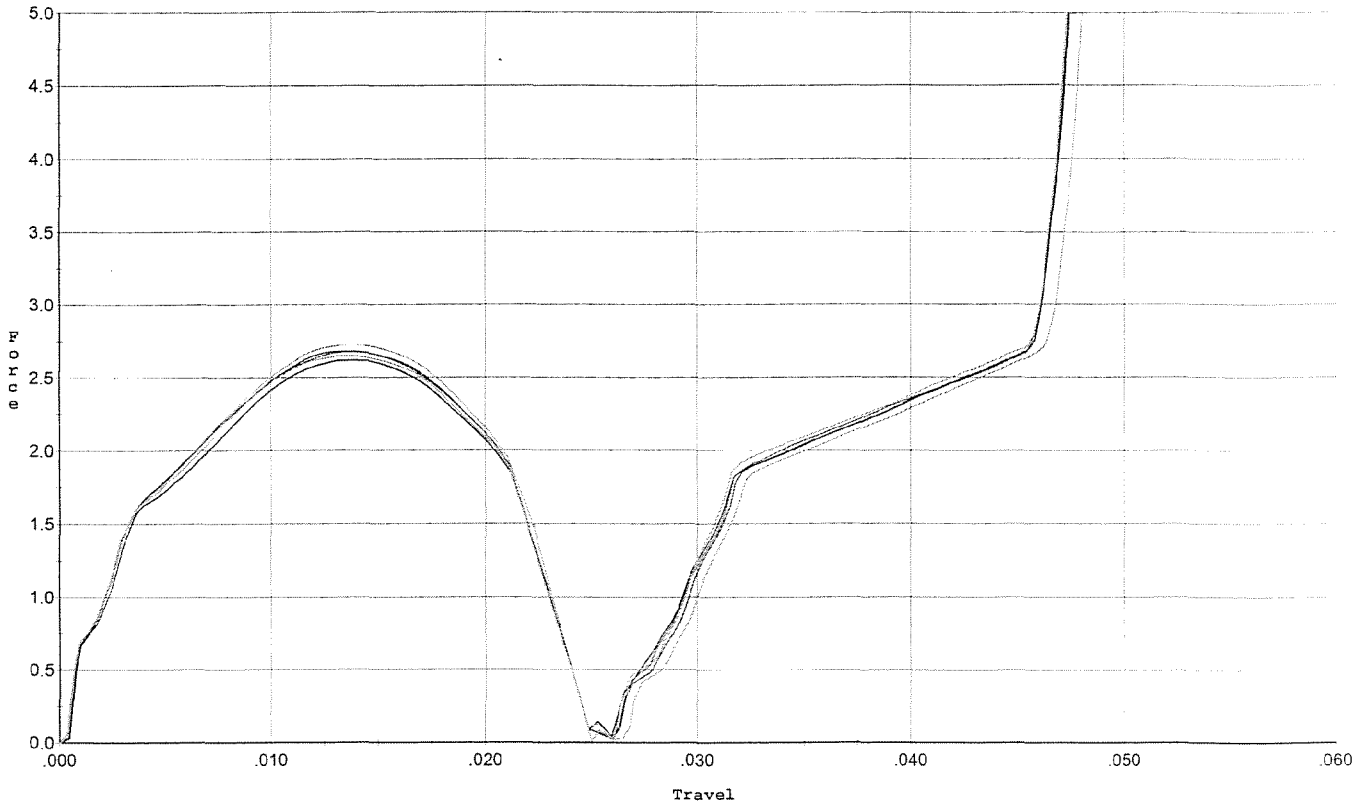
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.010	0.025	0.00	0.027	0.070		Set Trigger
2	4.130	0.023	0.00	0.029	0.069		Set Trigger
3	4.128	0.023	0.00	0.029	0.069		Set Trigger
4	4.099	0.025	0.00	0.028	0.074		Set Trigger
5	4.049	0.025	0.00	0.028	0.073		Set Trigger

Avg 4.08

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

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



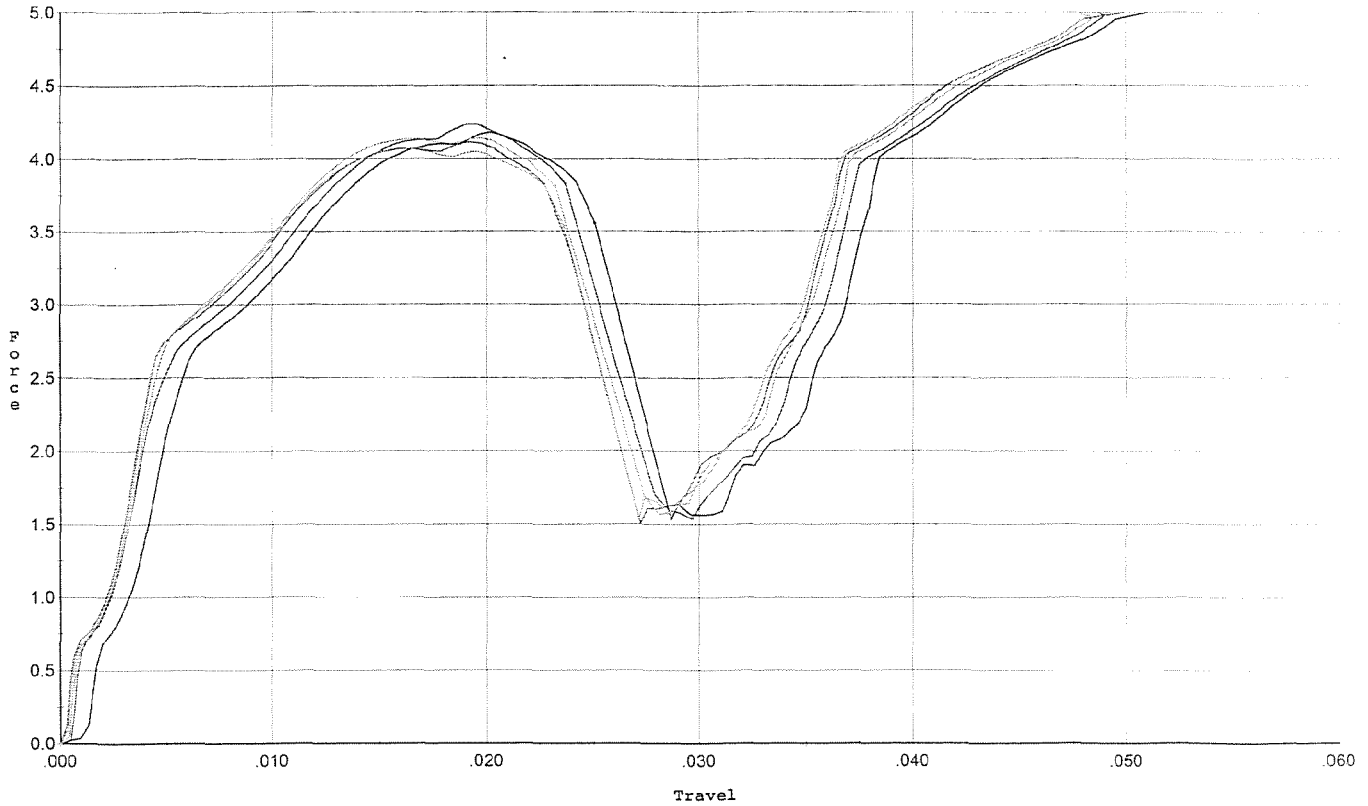
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.678	0.023	0.00	0.031	0.044		Set Trigger
2	2.616	0.023	0.00	0.031	0.043		Set Trigger
3	2.675	0.023	0.00	0.030	0.045		Set Trigger
4	2.647	0.021	0.00	0.031	0.041		Set Trigger
5	2.724	0.022	0.00	0.031	0.044		Set Trigger

Aug 2.66

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

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	4.236	0.024	0.00	0.029	0.070		Set Trigger
2	4.180	0.025	0.00	0.029	0.072		Set Trigger
3	4.115	0.024	0.00	0.029	0.071		Set Trigger
4	4.070	0.024	0.00	0.029	0.070		Set Trigger
5	4.142	0.023	0.00	0.029	0.069		Set Trigger

Aug 4.14

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498865.___0
FILE DATE AND TIME: 07/09/2009 10:44

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.012
The Average Y Centroid of the Five Target Set:	-0.073
The Average Point of Impact of the Five Target Set:	0.074
The Average Mean Radius of the Five Target Set:	0.663
The Distance from POA to Centroid Target #1:	0.096
The Distance from Centroid Target #2 to Centroid Target #1:	0.240
The Distance from Centroid Target #3 to Centroid Target #1:	0.119
The Distance from Centroid Target #4 to Centroid Target #1:	0.166
The Distance from Centroid Target #5 to Centroid Target #1:	0.131

SERIAL NUMBER: C6498865. __0

TARGET NUMBER: 1

FILE DATE: 07/09/2009

FILE TIME: 10:44

POINT#	X	Y
1:	-0.337	1.295
2:	-0.192	0.625
3:	0.755	0.145
4:	0.624	-0.315
5:	-0.215	-1.061
6:	-0.314	-0.497
7:	-0.031	-0.313
8:	0.132	-0.089
9:	-0.125	0.034
10:	0.588	-0.196

X CENTROID: 0.088

Y CENTROID: -0.037

POA TO CENTROID: 0.096

HORZ SPREAD: 1.092

VERT SPREAD: 2.356

GROUP SPREAD: 2.359

MIN RADIUS: 0.068

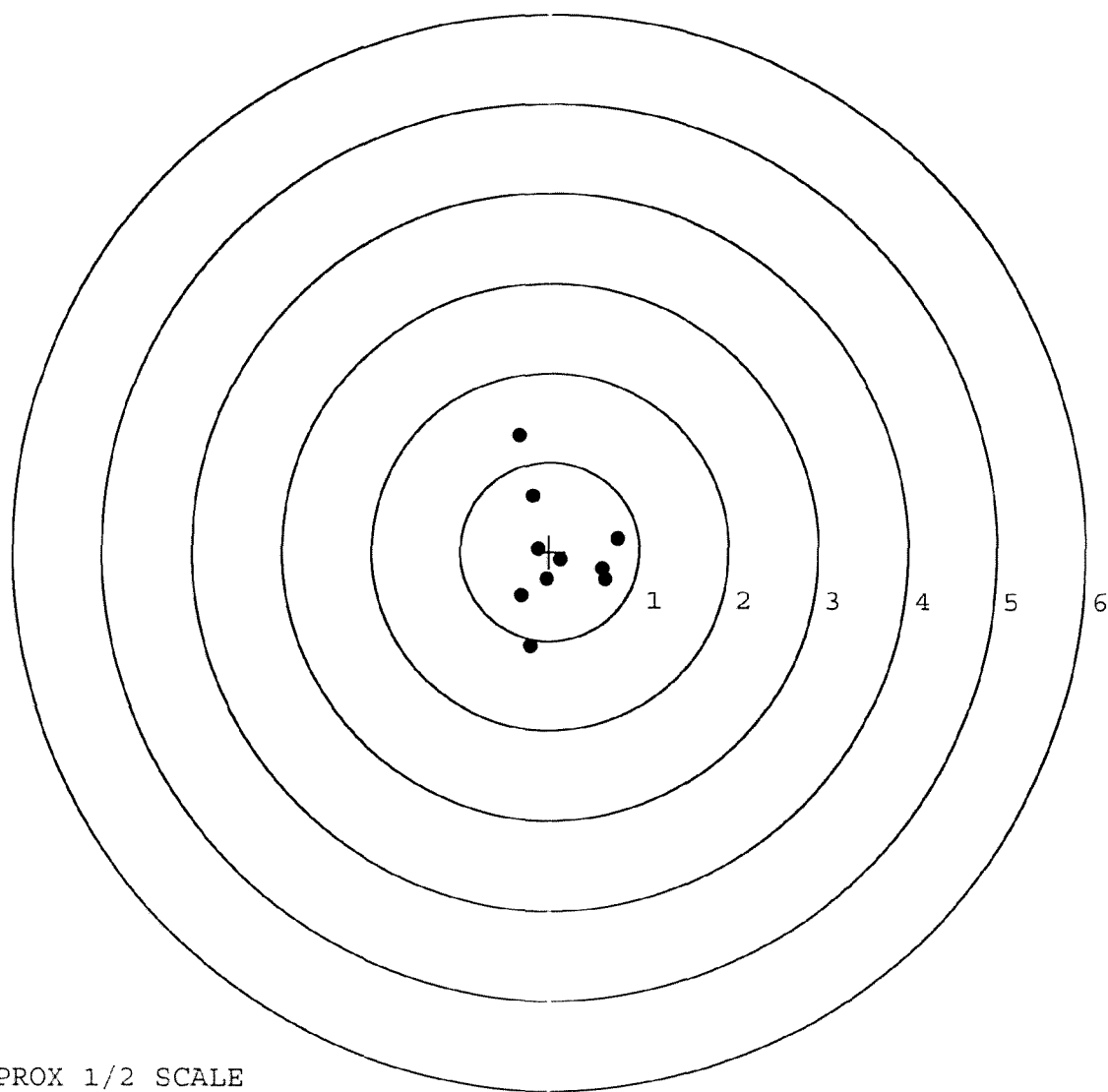
MAX RADIUS: 1.399

MEAN RADIUS: 0.621

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

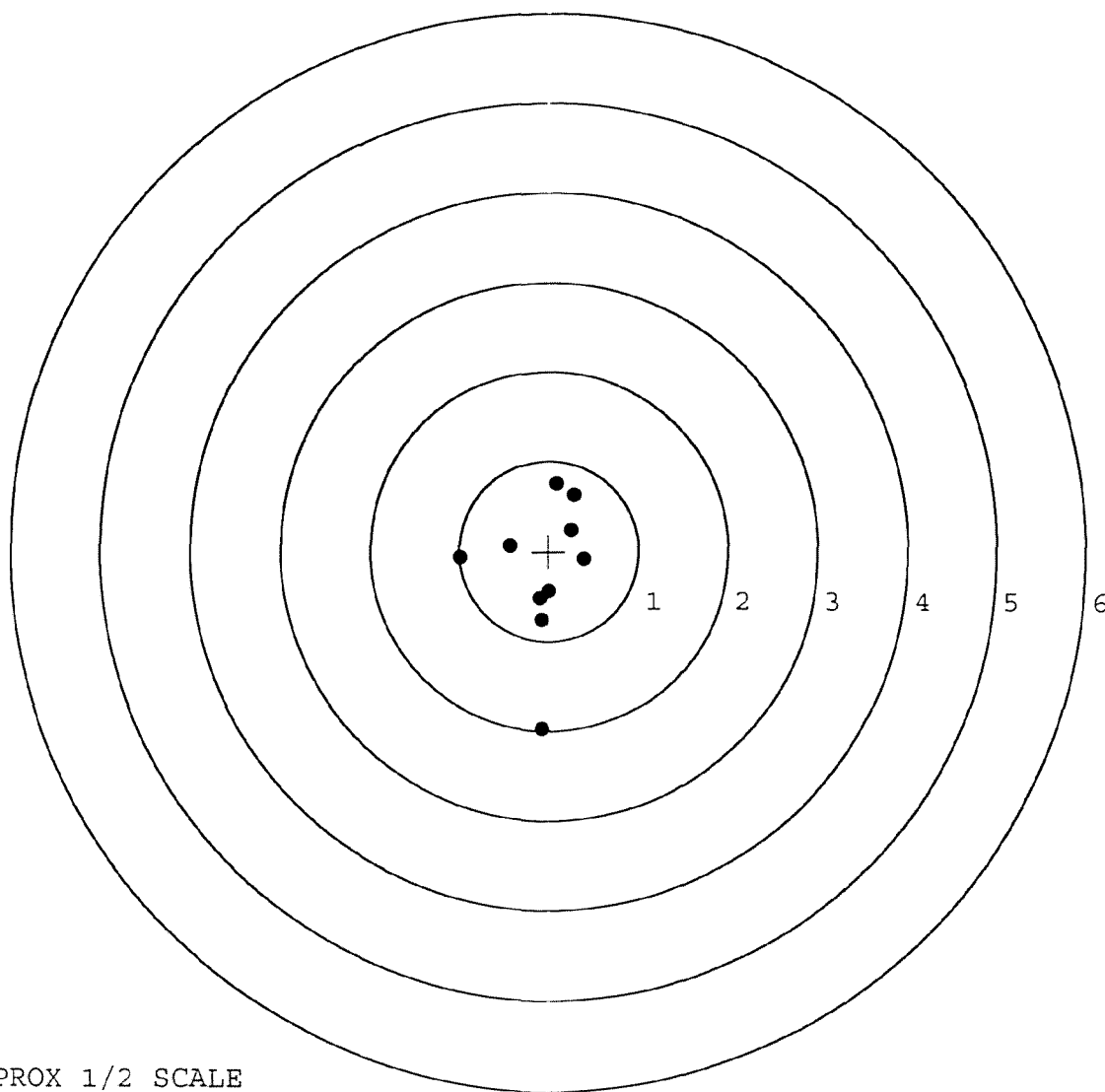
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498865. __0
TARGET NUMBER: 2
FILE DATE: 07/09/2009
FILE TIME: 10:44

	POINT#	X	Y
X CENTROID:	1:	-0.080	-1.982
Y CENTROID:	2:	0.090	0.751
POA TO CENTROID:	3:	0.283	0.625
HORZ SPREAD:	4:	0.394	-0.091
VERT SPREAD:	5:	-0.993	-0.079
GROUP SPREAD:	6:	-0.427	0.063
MIN RADIUS:	7:	-0.081	-0.763
MAX RADIUS:	8:	0.003	-0.445
MEAN RADIUS:	9:	-0.104	-0.521
# IN 1 IN DIAMETER:	10:	0.249	0.235
# IN 2 IN DIAMETER:			
# in 3 IN DIAMETER:			



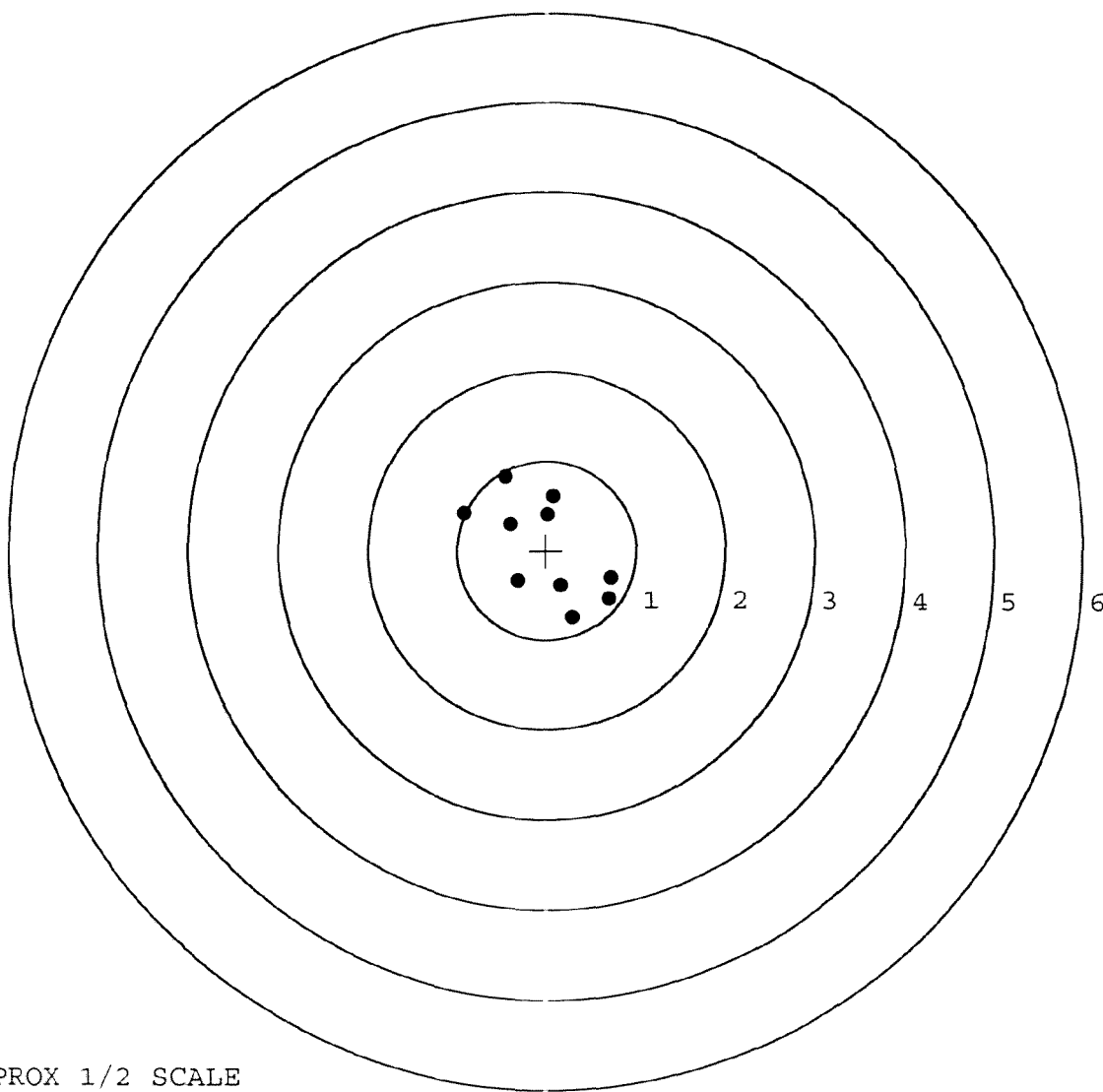
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498865. __0
TARGET NUMBER: 3
FILE DATE: 07/09/2009
FILE TIME: 10:44

X CENTROID: -0.013
Y CENTROID: 0.025
POA TO CENTROID: 0.028
HORZ SPREAD: 1.645
VERT SPREAD: 1.575
GROUP SPREAD: 1.883
MIN RADIUS: 0.387
MAX RADIUS: 0.994
MEAN RADIUS: 0.683

POINT#	X	Y
1:	-0.922	0.426
2:	-0.456	0.824
3:	0.081	0.610
4:	0.014	0.411
5:	-0.405	0.295
6:	-0.317	-0.339
7:	0.292	-0.751
8:	0.165	-0.387
9:	0.696	-0.538
10:	0.723	-0.305

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

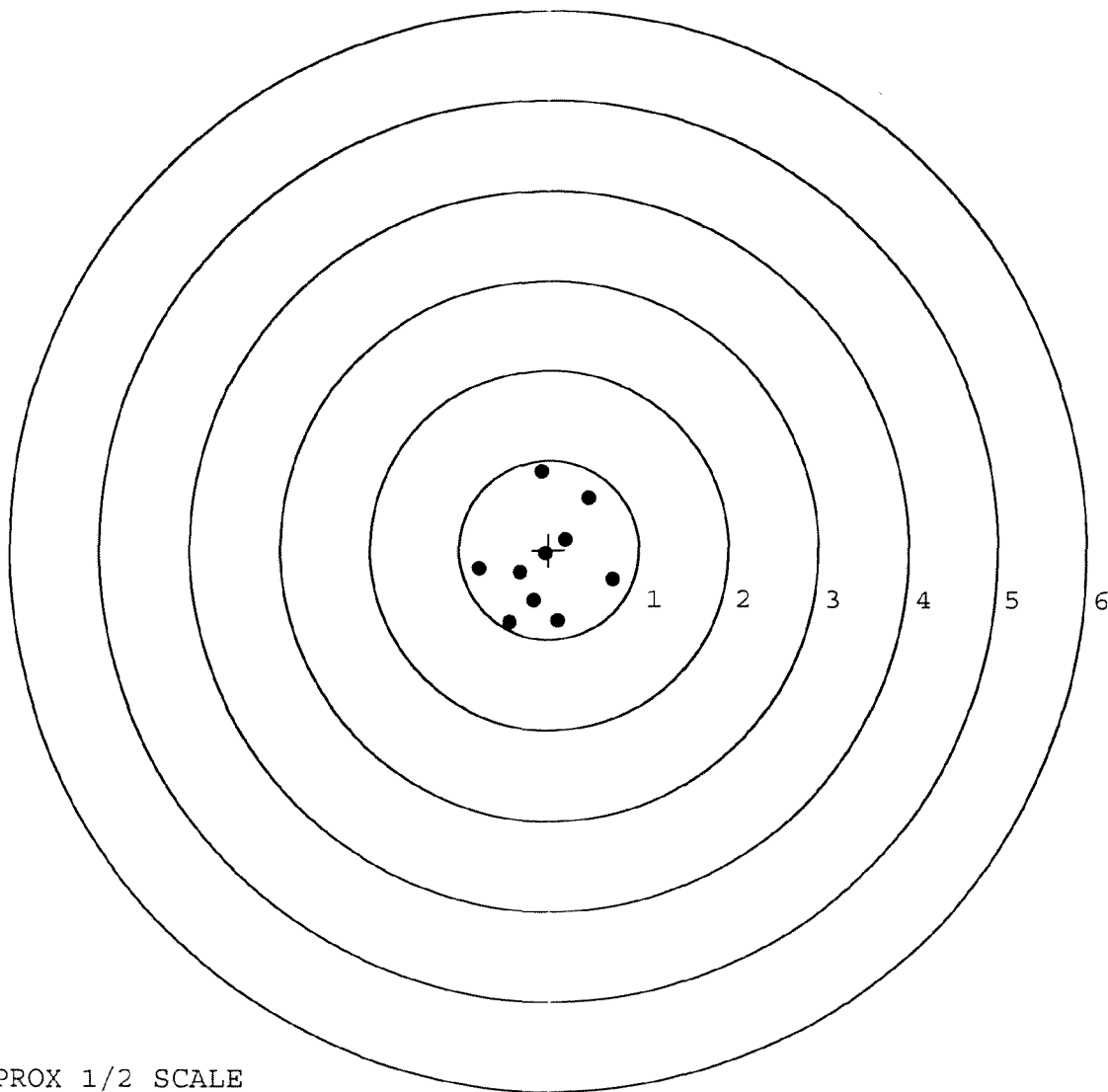


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498865. __0
TARGET NUMBER: 4
FILE DATE: 07/09/2009
FILE TIME: 10:44

POINT#	X	Y
1:	-0.083	0.880
2:	0.446	0.575
3:	0.184	0.117
4:	-0.037	-0.041
5:	-0.320	-0.259
6:	-0.170	-0.567
7:	0.105	-0.794
8:	-0.778	-0.217
9:	-0.440	-0.814
10:	0.713	-0.334

X CENTROID: -0.038
Y CENTROID: -0.145
POA TO CENTROID: 0.150
HORZ SPREAD: 1.491
VERT SPREAD: 1.694
GROUP SPREAD: 1.731
MIN RADIUS: 0.104
MAX RADIUS: 1.026
MEAN RADIUS: 0.605
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498865. __0

TARGET NUMBER: 5

FILE DATE: 07/09/2009

FILE TIME: 10:44

X CENTROID: -0.031

Y CENTROID: 0.014

POA TO CENTROID: 0.035

HORZ SPREAD: 2.043

VERT SPREAD: 1.533

GROUP SPREAD: 2.139

MIN RADIUS: 0.314

MAX RADIUS: 1.260

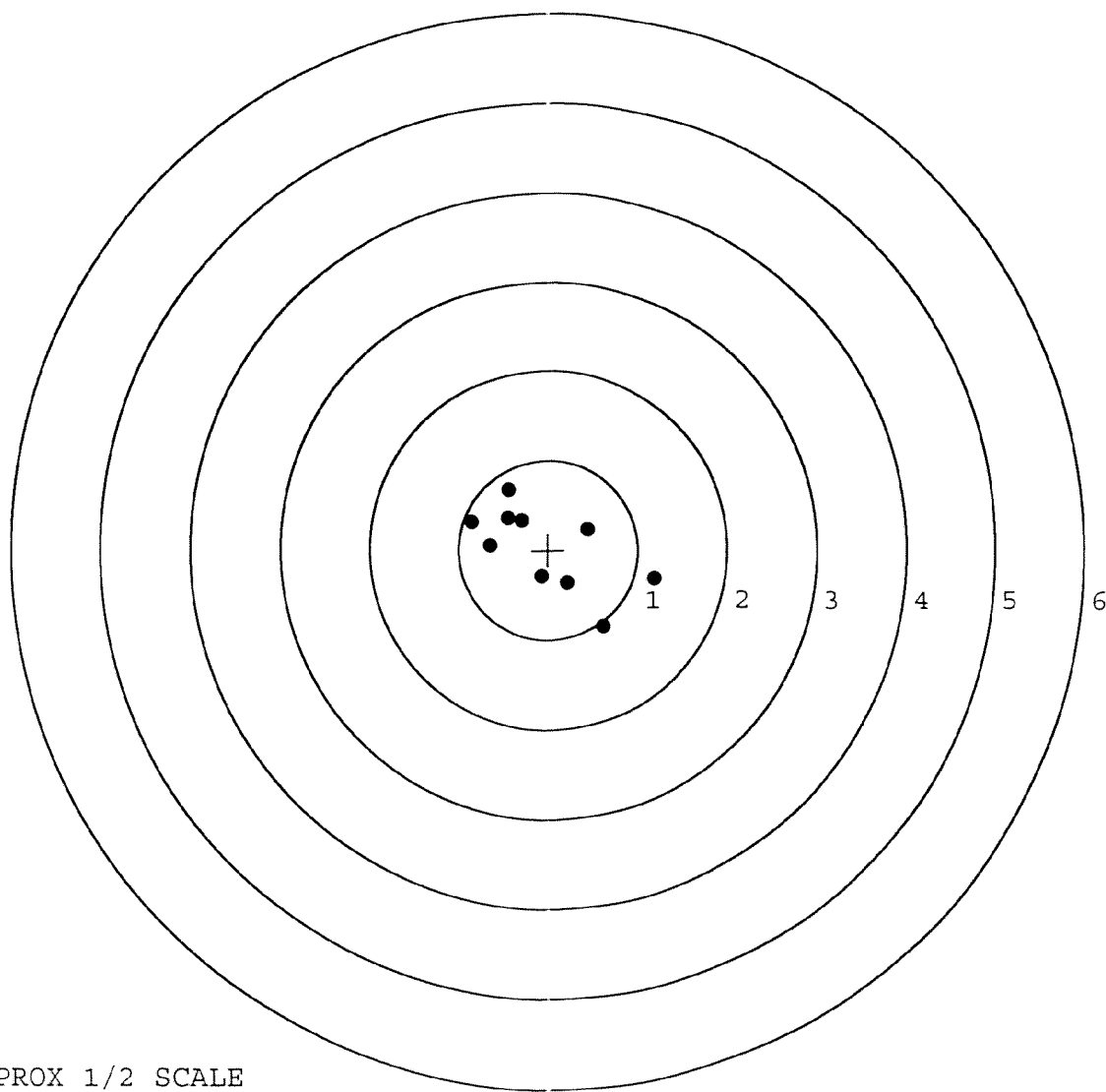
MEAN RADIUS: 0.688

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.619	-0.856
2:	1.185	-0.315
3:	0.442	0.229
4:	0.216	-0.370
5:	-0.079	-0.296
6:	-0.649	0.058
7:	-0.858	0.317
8:	-0.445	0.677
9:	-0.296	0.336
10:	-0.449	0.364



TARGET APPROX 1/2 SCALE

Remington ®		 REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6498865	
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716	
 5716 C6498865			

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498865

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	90	RW
600	Proof	5 2	90	RW
607	Check Headspace	5 2	90	RW
610	Dis-assemble Gun	5 3	90	RW
612	Magnaflux Barrel Action	5-8-90		KCR
	Magnaflux Bolt	5-8-90		KCR
615	Rollmark Caliber		5/8/90	GS
617	Drill and Tap Sight Holes		5/9/90	FB
618	Polish Barrel RW		5/10/90	WB
620	Apply Coatings (Barrel Action)		5/16/90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/22/90	JP

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/4			5/22/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			5/22/90	WB
	H) Trigger Pull Test & Retainability						5/22/90	8H
	I) Firing Pin Indent	.0235	.0235	.0235			5/22/90	WB
	J) Assemble Stock						5/22/90	RW
	K) Assemble Swivel Studs						24 May 90	928
	L) Attach Front and Rear Sight Assemblies						5/22/90	RW
	M) Iron Sight Alignment						5/22/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/22/90	RW
	O) Attach Scope to Rifle						5/22/90	WB
	P) Detach & Attach Scope 20 Times						5/22/90	WB
640	Gallery Target & Test						5-23-90	DH
	A) Time						5-23-90	DH
	B) Malfunctions						5-23-90	DH
	C) Pierced Primers						5-23-90	DH
	D) Optical Clarity of Scope						5-23-90	DH
645	Inspect for Live Ammo						5-23-90	DH
655	Final Inspection							
	A) Headspace						24 May 90	928
	B) Trigger Pull	242	235	234	233	238	24 May 90	928
	C) Function						24 May 90	928
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. 06498865
DATE 5/22/90
TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.34	2.20	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.25	2.17	2.35	
PULL #3	2.38	2.22	2.29	2.34	
PULL #4	2.38	2.20	2.27	2.33	
PULL #5	2.41	2.20	2.29	2.38	
TOTAL	12.08	11.21	11.22		
AVG.	2.416	2.242	2.244		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.38		
PULL #2	3.47	3.51		
PULL #3	3.48	3.43		
PULL #4	3.50	3.54		
PULL #5	3.53	3.50		
TOTAL	17.36	17.36		
AVG.	3.472	3.472		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.51		4.26
PULL #2	4.42	4.43		4.20
PULL #3	4.49	4.40		4.23
PULL #4	4.47	4.43		4.27
PULL #5	4.42	4.42		4.22
TOTAL	22.30	22.19		21.18
AVG.	4.46	4.438		4.236

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498865
24 May 1990

CENTROIDAL DISTANCES

0 TO 1	.23946
1 TO 2	.306575
1 TO 3	.551661
1 TO 4	.0156525
1 TO 5	.622907

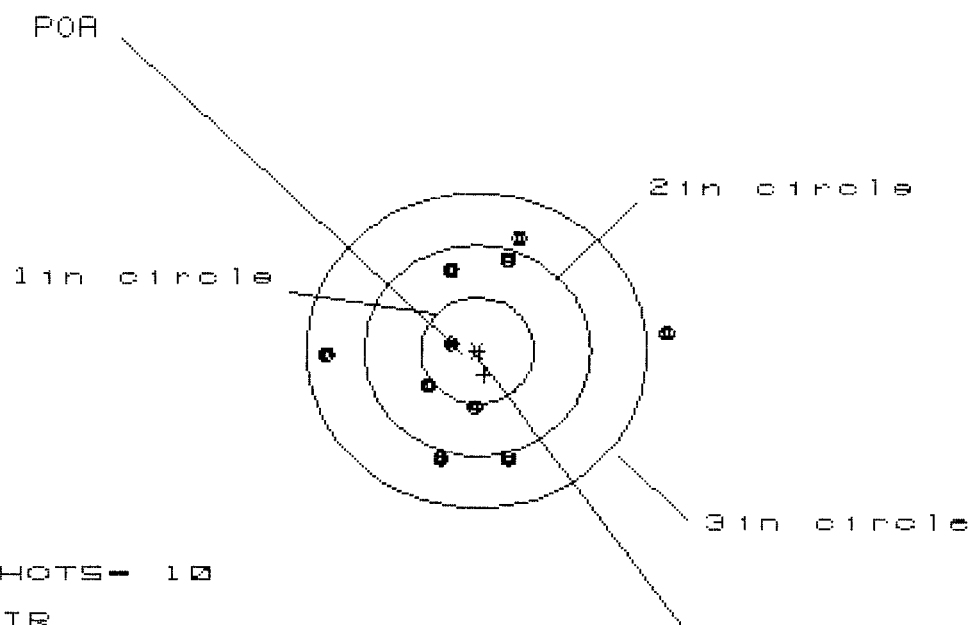
$\frac{x^2}{n}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .194
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .093
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .215139
THE AMR FOR THIS RIFLE IS: 1.02

23 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C649B865

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 3.032

VS= 2.177

GS= 3.037

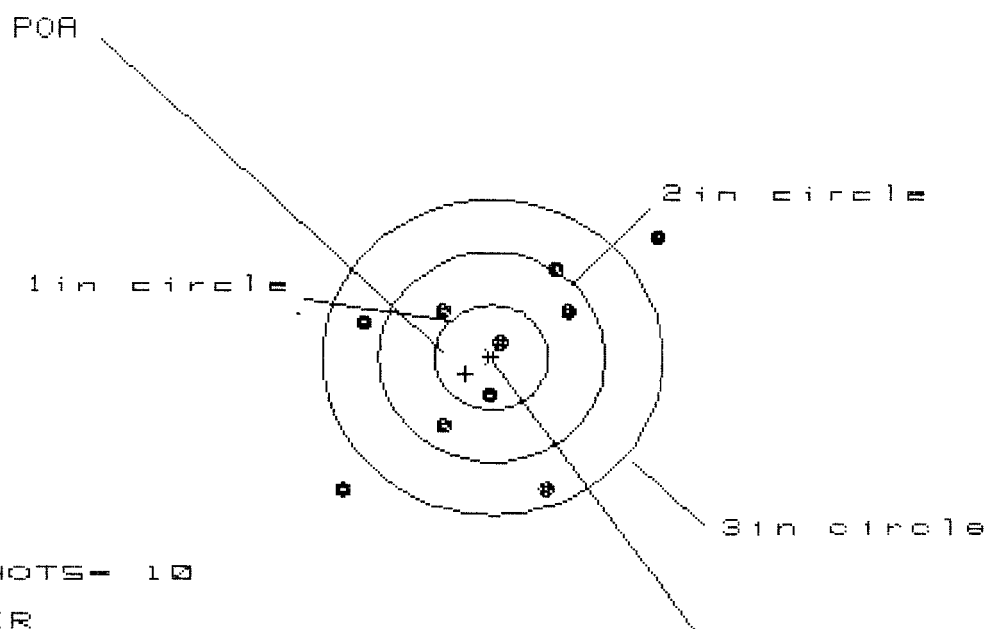
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.655	.601	.452
MINIMUM X	-1.377	-1.193	-.421
MAXIMUM Y	1.117	1.131	1.127
MINIMUM Y	-1.060	-1.046	-1.050
CENTROID X	-.070	-.254	-.105
CENTROID Y	.229	.215	.219
POA TO CENTROID in.	.240	.333	.243
MIN RADIUS	.261	.085	.228
MEAN RADIUS	.943	.824	.792
MAX RADIUS	1.660	1.281	1.214
HORIZONTAL SPREAD	3.032	1.794	.873
VERTICAL SPREAD	2.177	2.177	2.177
EXTREME SPREAD	3.037	2.235	2.235
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

23 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B865

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.867

VS= 2.392

GS= 3.718

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.517	.885	.737
MINIMUM X	:	-1.350	-1.181	-1.114
MAXIMUM Y	:	1.150	.988	.852
MINIMUM Y	:	-1.242	-1.114	-1.250
CENTROID X	:	.228	.059	.207
CENTROID Y	:	.157	.029	.165
POA TO CENTROID in.	:	.277	.066	.265
MIN RADIUS	:	.213	.300	.217
MEAN RADIUS	:	1.016	.917	.805
MAX RADIUS	:	1.904	1.607	1.349
HORIZONTAL SPREAD	:	2.867	2.066	1.851
VERTICAL SPREAD	:	2.392	2.102	2.102
EXTREME SPREAD	:	3.718	2.812	2.275
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 2

2 in - 5

3 in - 8

HS- 2.762

VS- 1.873

GS- 3.013

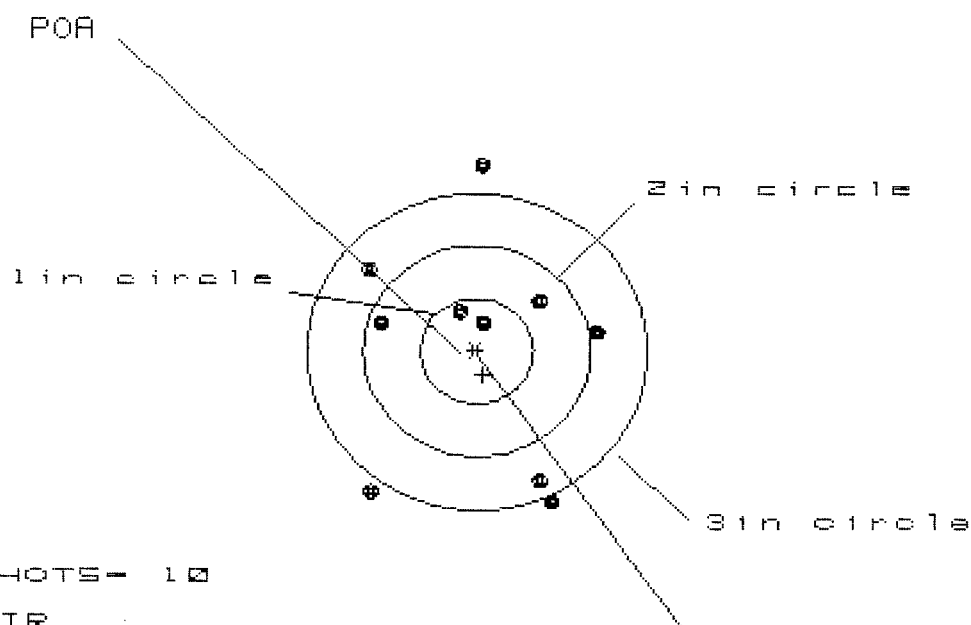
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.563	1.697	.400
MINIMUM X	:	-1.199	-1.026	-.814
MAXIMUM Y	:	.856	.751	.806
MINIMUM Y	:	-1.017	-1.122	-1.067
CENTROID X	:	.391	.218	.006
CENTROID Y	:	-.074	.031	-.024
POA TO CENTROID in.	:	.398	.220	.025
MIN RADIUS	:	.347	.288	.363
MEAN RADIUS	:	.966	.834	.690
MAX RADIUS	:	1.827	1.754	1.129
HORIZONTAL SPREAD	:	2.762	2.723	1.214
VERTICAL SPREAD	:	1.873	1.873	1.873
EXTREME SPREAD	:	3.013	2.739	1.931
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

23 May 1998

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 2.028

VS= 3.169

GS= 3.244

CENTROID *

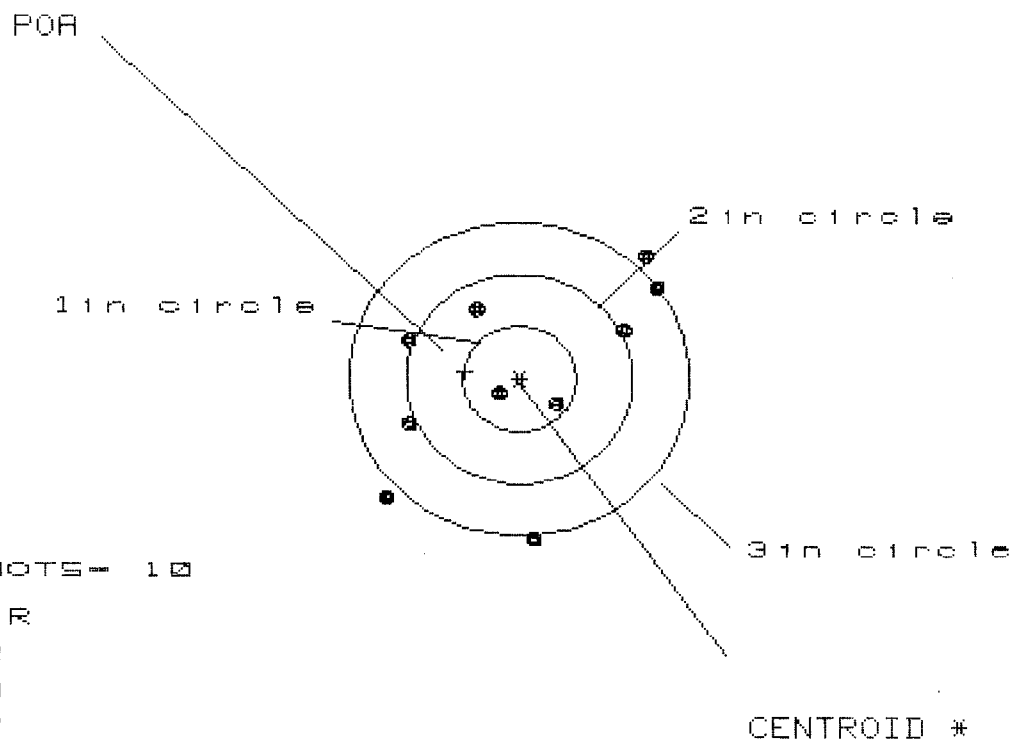
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.051	1.052	.935
MINIMUM X	:	-.977	-.976	-1.093
MAXIMUM Y	:	1.746	.955	.810
MINIMUM Y	:	-1.423	-1.229	-1.374
CENTROID X	:	-.056	-.057	.060
CENTROID Y	:	.222	.028	.173
POA TO CENTROID in.	:	.229	.064	.183
MIN RADIUS	:	.266	.457	.310
MEAN RADIUS	:	1.086	1.042	.940
MAX RADIUS	:	1.746	1.492	1.487
HORIZONTAL SPREAD	:	2.028	2.028	2.028
VERTICAL SPREAD	:	3.169	2.184	2.184
EXTREME SPREAD	:	3.244	2.744	2.744
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

23 May 1990

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CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 2.327

VS= 2.766

GS= 3.244

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.181	1.305	1.177
MINIMUM X	:	-1.146	-1.022	-1.004
MAXIMUM Y	:	1.190	1.024	.898
MINIMUM Y	:	-1.576	-1.443	-1.569
CENTROID X	:	.477	.353	.481
CENTROID Y	:	-.069	-.202	-.076
POA TO CENTROID in.	:	.482	.407	.487
MIN RADIUS	:	.257	.084	.256
MEAN RADIUS	:	1.089	1.005	.956
MAX RADIUS	:	1.631	1.658	1.576
HORIZONTAL SPREAD	:	2.327	2.327	2.181
VERTICAL SPREAD	:	2.766	2.467	2.467
EXTREME SPREAD	:	3.244	3.085	2.673
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			3	
NUMBER IN THREE INCH CIRCLE =			7	