C6587581

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

Capacity

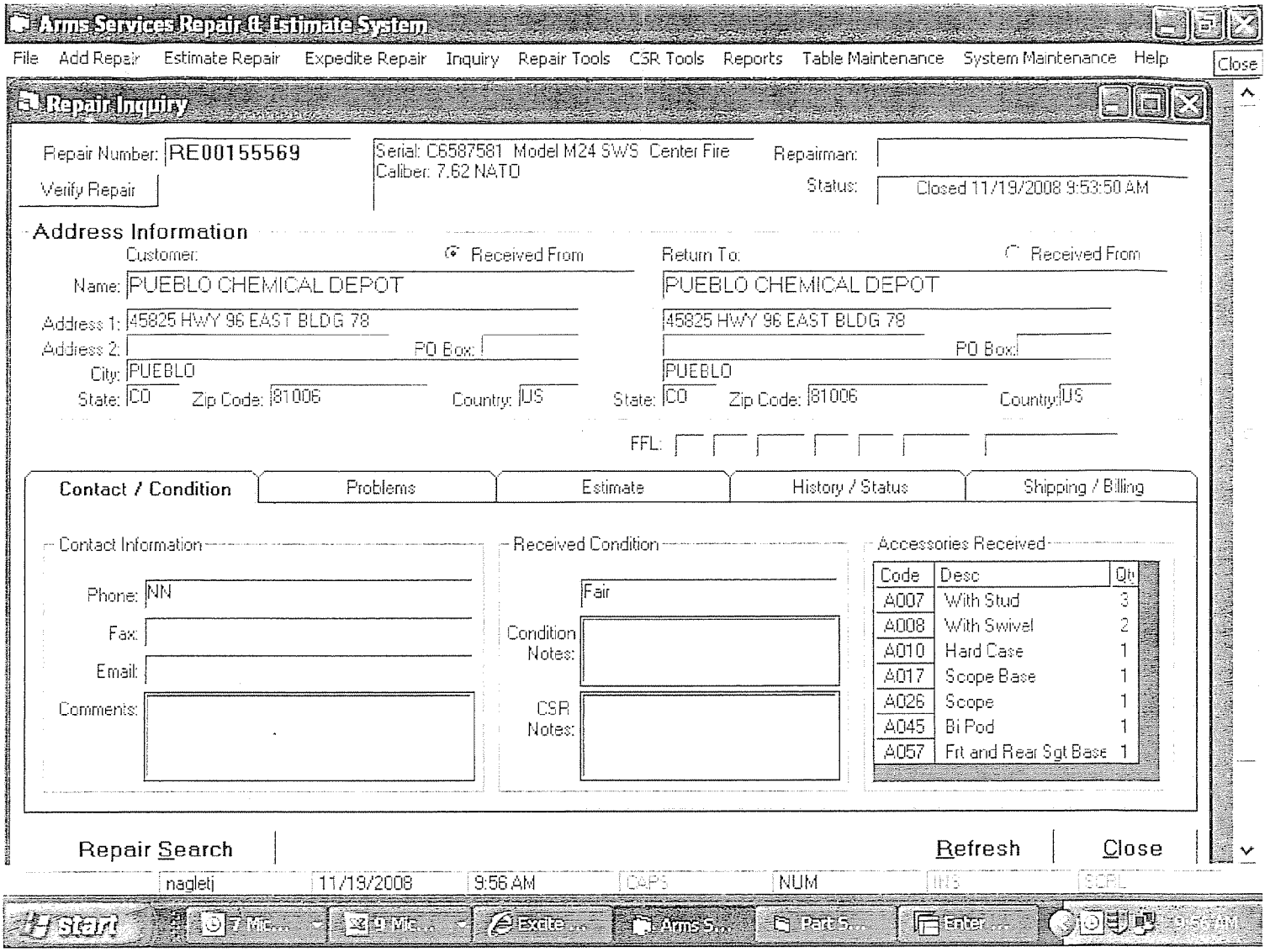
Order No. 5716

*Includes 1 in chamber.

Remington

M2400023168

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON


Arms Services Repair & Estimate System
File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help
Close
Repair Inquiry
Repair Number: RE00155569
Verify Repair
Serial: C6587581 Model M24 SWS Center Fire
Caliber: 7.62 NATO
Repairman:
Status: Closed 11/19/2008 9:53:50 AM
Address Information
Customer:
Received From
Name: PUEBLO CHEMICAL DEPOT
Address 1: 45825 HWY 96 EAST BLDG 78
Address 2:
PO Box:
City: PUEBLO
State: CO Zip Code: 81006 Country: US
Return To:
Received From
PUEBLO CHEMICAL DEPOT
45825 HWY 96 EAST BLDG 78
PO Box:
PUEBLO
State: CO Zip Code: 81006 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
A008 With Swivel 2
A010 Hard Case 1
A017 Scope Base 1
A026 Scope 1
A045 Bi Pod 1
A057 Frt and Rear Sgt Base 1
Repair Search
Refresh
Close
nagletj 11/19/2008 9:56 AM CAPS NUM INS SCRL
Start


Serial Number: C6587581
Model: M24 SWS
RE00155569

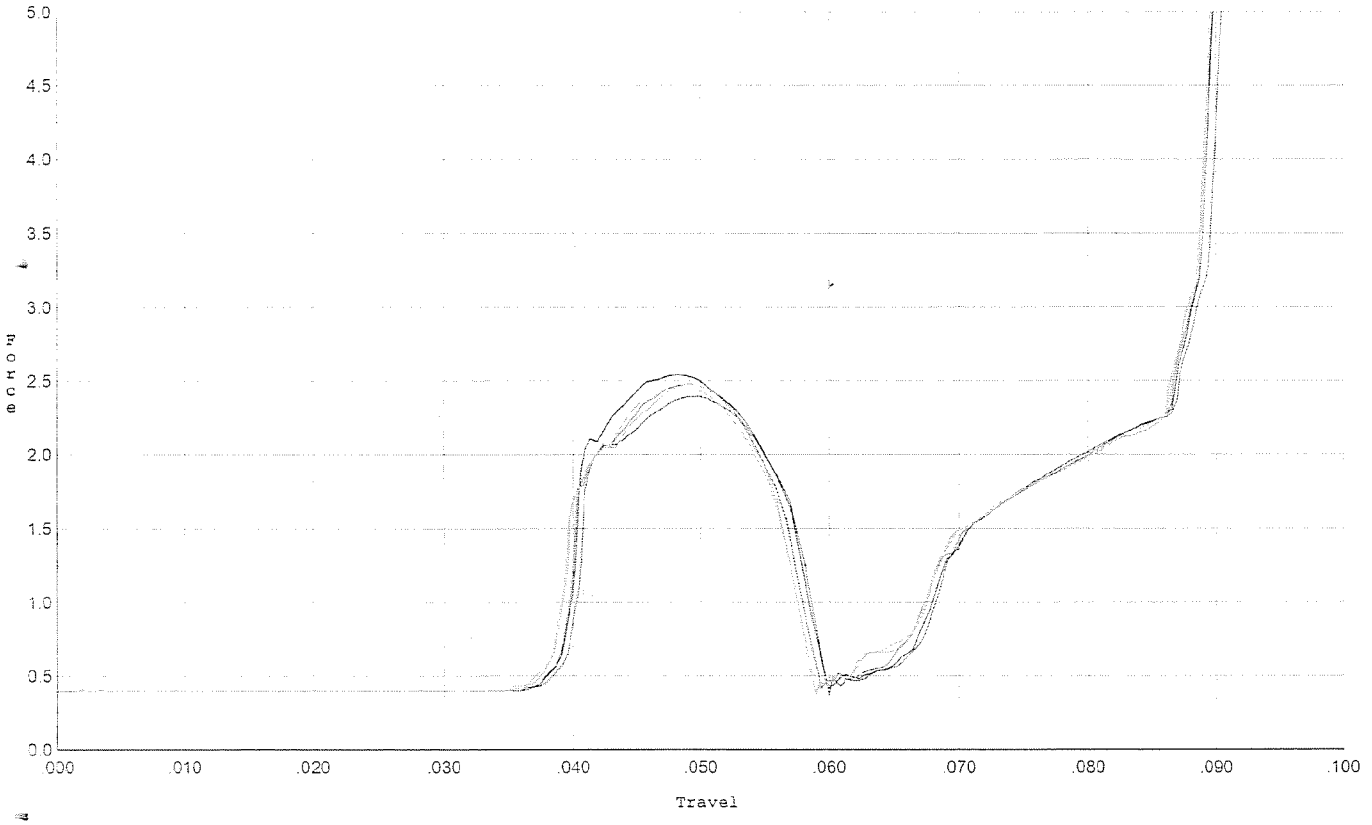
M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

P & E NUMBER: 155569
SERIAL NUMBER: C6587581
LOG-IN DATE: 11-19-08

OPERATION #	OPERATION NAME						DATE	INITIAL
500	DIS-ASSEMBLE GUN						1-12-09	LTZ
505	RE-BARREL						1-13-09	LTZ
560	ASSEMBLE						1-13-09	LTZ
600	PROOF						1-14-09	TL
605	CHECK HEADSPACE						1-14-09	LTZ
610	DIS-ASSEMBLE GUN						1-14-09	LTZ
612	MAGNAFLUX						1/17/09	
510	DRILL AND TAP						1-14-09	SP
615	ROLLMARK CALIBER							
618	ROTO-BLAST						1/19/09	RT
620	APPLY COATINGS						1-22	
625	FINAL ASSEMBLY						1-23-09	LTZ
640	FUNCTION TEST AND	PASS	FAIL				1-26-09	D.H.D.
650	TARGET	PASS	FAIL				1-26-09	D.H.D.
	MALFUNCTION	CORRECTION						
	MALFUNCTION	CORRECTION	N/A					
	MALFUNCTION	CORRECTION						
	MALFUNCTION	CORRECTION						
670	FINAL INSPECTION						1-28-09	L.D.
	A) HEADSPACE	PASS	FAIL				1-28-09	L.D.
	B) TRIGGER PULL (+/- 5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.31	2.32	2.26	2.26	2.26	1/27/09	FM
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	4.0	4.0	4.0			1-28-09	L.D.
	G) SAFETY OFF FORCE (2 LBS MIN)	6.0	6.0	6.0			1-28-09	L.D.
	I) FIRING PIN INDENT .020	.022	.022	.022			1-28-09	L.D.
690	PACK						1/25/09	FM

Trigger Profile [lbs,inch]

Profile	SWS	Model:	M/24
GunType:	Rifle	Serial No:	Form #F005
Make:	Remington	Trigger:	2.5 lbs ini +/- .50 lbs
Note:	C Schults 12/16/2008		



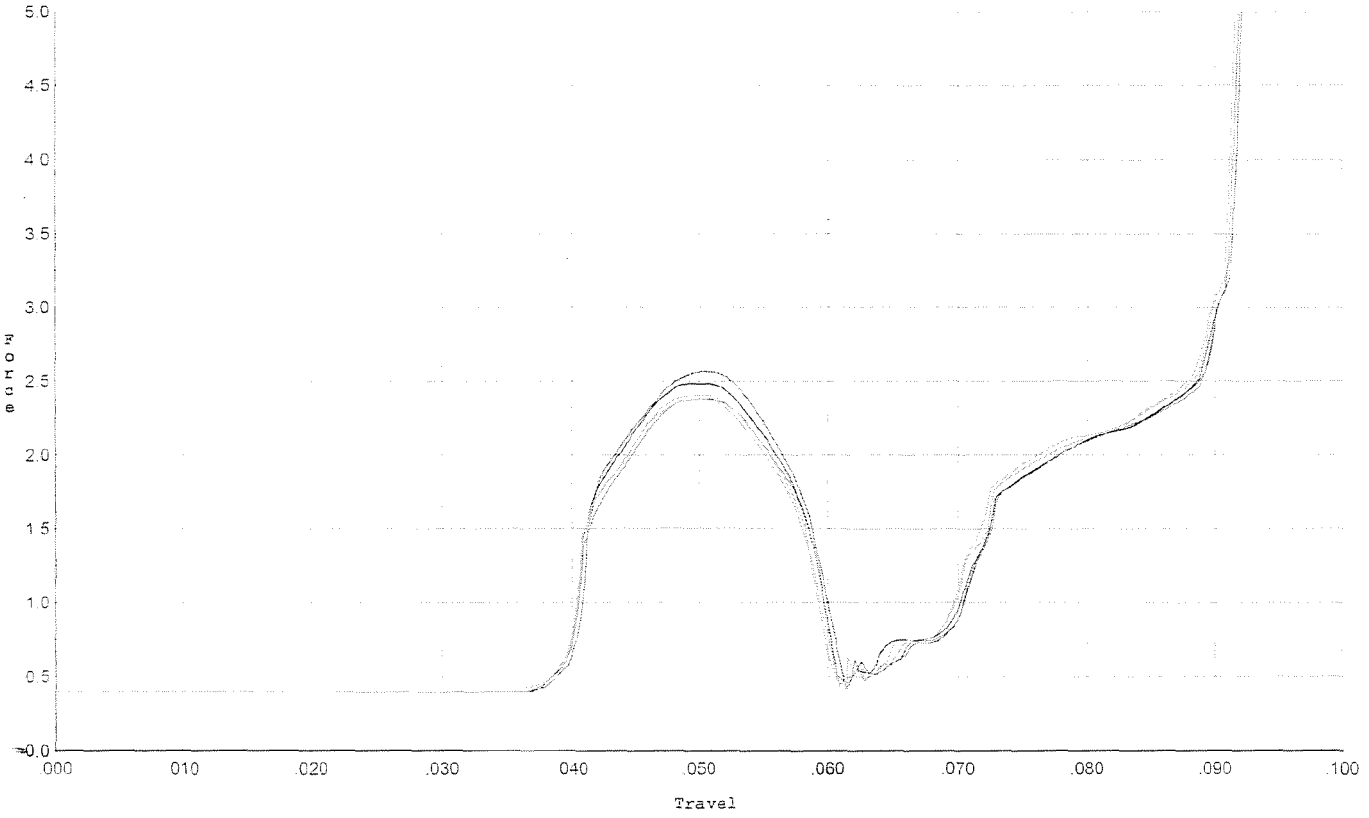
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.396	0.058	0.040	0.040	0.054		Set Trigger
2	2.542	0.057	0.039	0.039	0.055		Set Trigger
3	2.476	0.057	0.039	0.039	0.053		Set Trigger
4	2.462	0.057	0.038	0.039	0.054		Set Trigger
5	2.481	0.057	0.038	0.039	0.054		Set Trigger

A.2.47

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 12/16/2008 10:07:59 AM

Trigger Profile [lbs,inch]

Profile	SWS	Model:	M/24
GunType:	Rifle	Serial No:	Form #F005
Make:	Remington	Trigger:	2.5 lbs after 50 cycles
Note:	C Schults 12/16/2008		



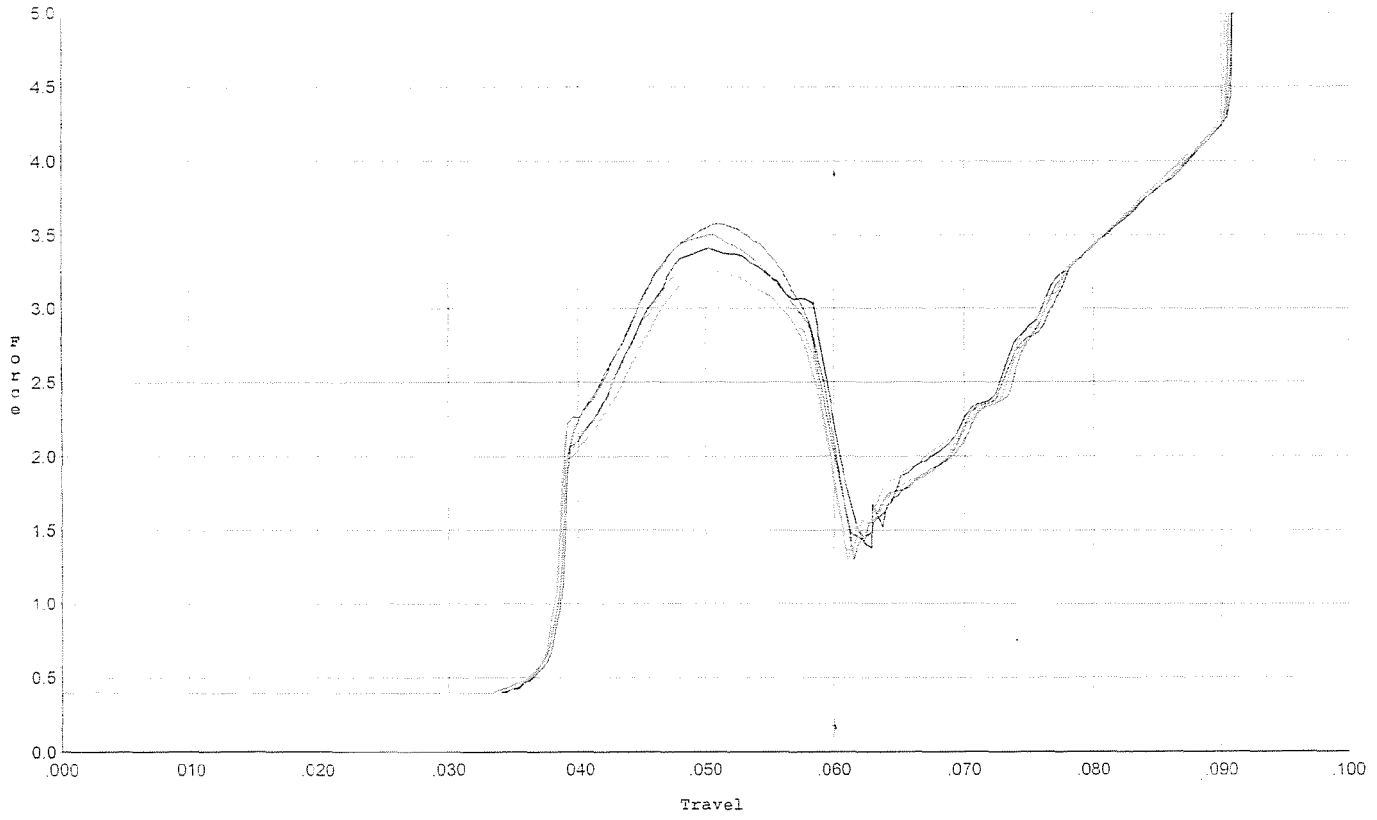
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.565	0.060	0.040	0.039	0.057		Set Trigger
2	2.484	0.059	0.040	0.040	0.056		Set Trigger
3	2.380	0.059	0.040	0.040	0.054		Set Trigger
4	2.407	0.058	0.040	0.040	0.054		Set Trigger
5	2.380	0.058	0.040	0.040	0.053		Set Trigger

A-2 4/4

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 12/16/2008 10:11:38 AM

Trigger Profile [lbs,inch]

Profile	SWS	Model:	M/24
GunType:	Rifle	Serial No:	Form #F005
Make:	Remington	Trigger:	3.0 lbs ini +/- .75 lb
Note:	C Schults 12/16/2008		



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.573	0.059	0.038	0.037	0.079		Set Trigger
2	3.411	0.058	0.038	0.037	0.076		Set Trigger
3	3.494	0.058	0.037	0.037	0.077		Set Trigger
4	3.325	0.059	0.037	0.037	0.075		Set Trigger
5	3.255	0.058	0.037	0.037	0.073		Set Trigger

A-3.41

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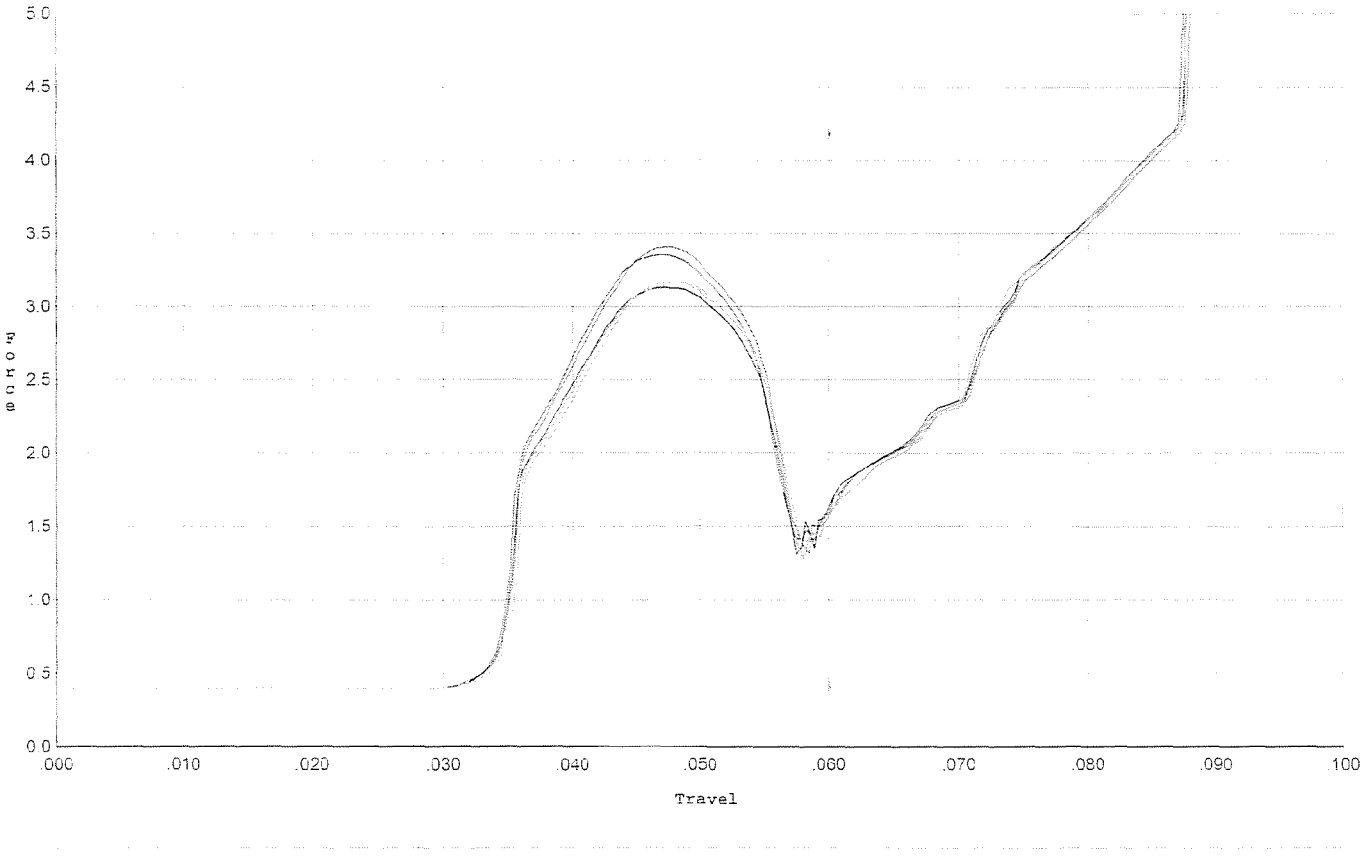
KINZER V. REMINGTON

Trigger Profile [lbs,inch]

Profile	SWS	Model:	M/24
GunType:	Rifle	Serial No:	Form #F005
Make:	Remington	Trigger:	3.0 lbs after 20 cycles
Note:	C Schults 12/16/2008		



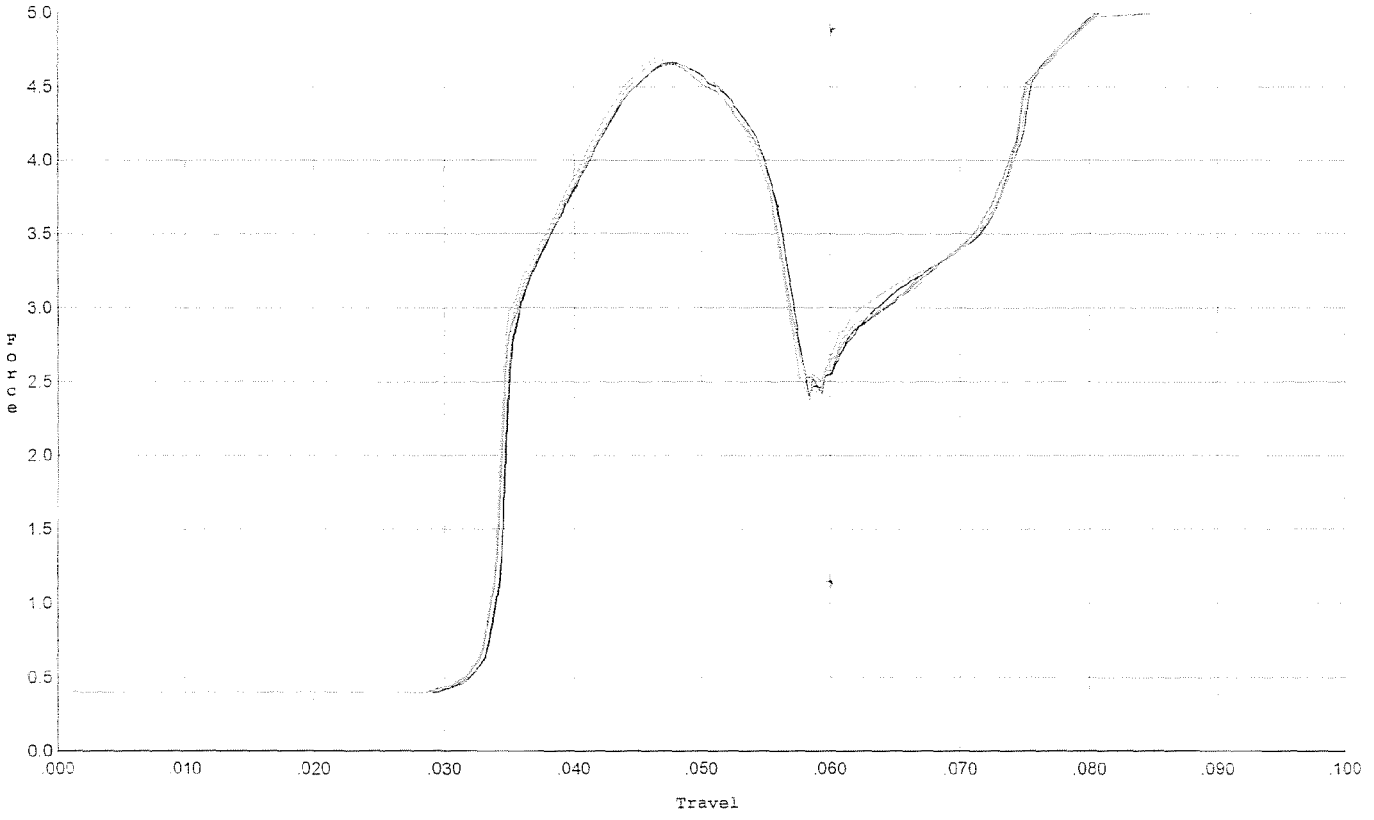
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.358	0.055	0.034	0.036	0.072		Set Trigger
2	3.133	0.056	0.034	0.036	0.070		Set Trigger
3	3.411	0.055	0.034	0.036	0.073		Set Trigger
4	3.164	0.055	0.035	0.036	0.069		Set Trigger
5	3.167	0.055	0.034	0.036	0.070		Set Trigger

A.324

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc., 12/16/2008 10:21:46 AM

Trigger Profile [lbs,inch]

Profile	SWS	Model:	M/24
GunType:	Rifle	Serial No:	Form #F005
Make:	Remington	Trigger:	4.0 lbs ini +/- 1.0 lb
Note:	C Schults 12/16/2008		



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.653	0.056	0.033	0.034	0.103		Set Trigger
2	4.661	0.056	0.033	0.034	0.103		Set Trigger
3	4.645	0.055	0.033	0.034	0.101		Set Trigger
4	4.717	0.055	0.033	0.034	0.102		Set Trigger
5	4.682	0.055	0.033	0.034	0.102		Set Trigger

A-4-67

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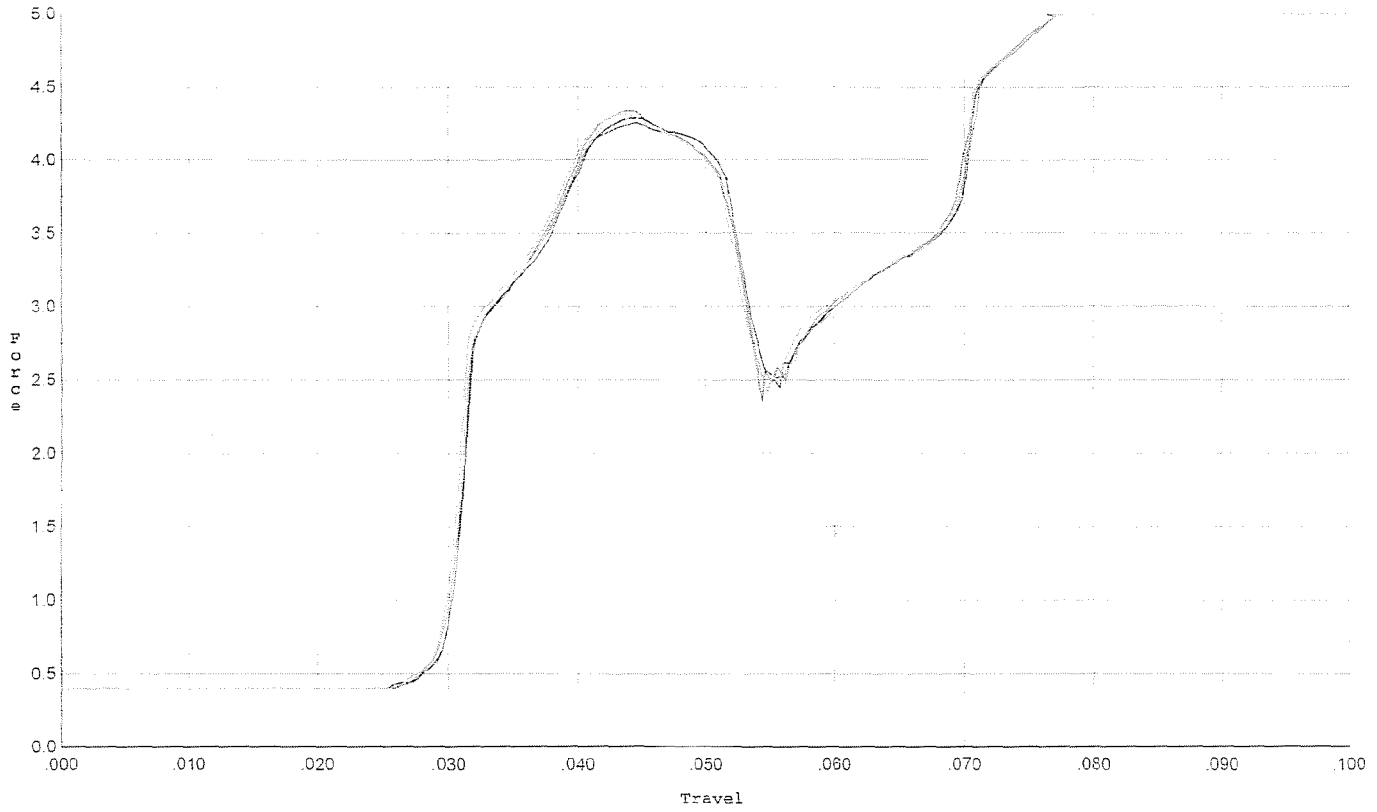
KINZER V. REMINGTON

Trigger Profile [lbs,inch]

Profile	SWS	Model:	M/24
GunType:	Rifle	Serial No:	Form #F005
Make:	Remington	Trigger:	4.0 lbs after 20 cycles
Note:	C Schults 12/16/2008		



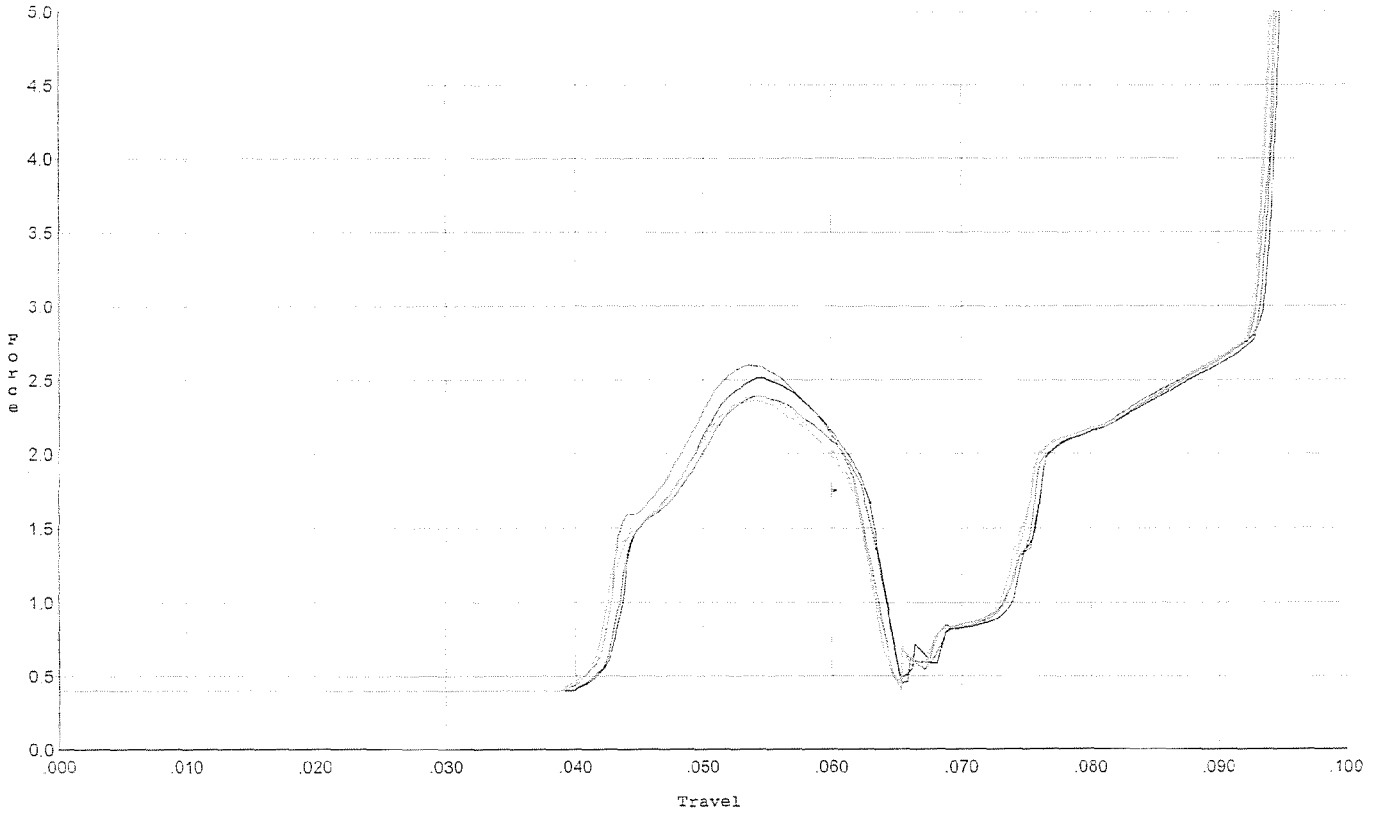
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.255	0.052	0.029	0.032	0.093		Set Trigger
2	4.289	0.052	0.029	0.032	0.093		Set Trigger
3	4.340	0.052	0.030	0.032	0.093		Set Trigger
4	4.316	0.051	0.029	0.031	0.092		Set Trigger
5	4.282	0.052	0.029	0.032	0.093		Set Trigger

A-429

Trigger Scan 2.01 .SN 10337. printed by Remingyton Arms Co., Inc.. 12/16/2008 10:39:57 AM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	reset to 2.5 lbs +/- .50 lb for final test
Note:	C Schults 12/16/2008		



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.391	0.063	0.043	0.038	0.057		Set Trigger
2	2.513	0.063	0.043	0.038	0.058		Set Trigger
3	2.600	0.063	0.042	0.038	0.060		Set Trigger
4	2.363	0.062	0.042	0.039	0.056		Set Trigger
5	2.391	0.062	0.042	0.039	0.056		Set Trigger

2.345

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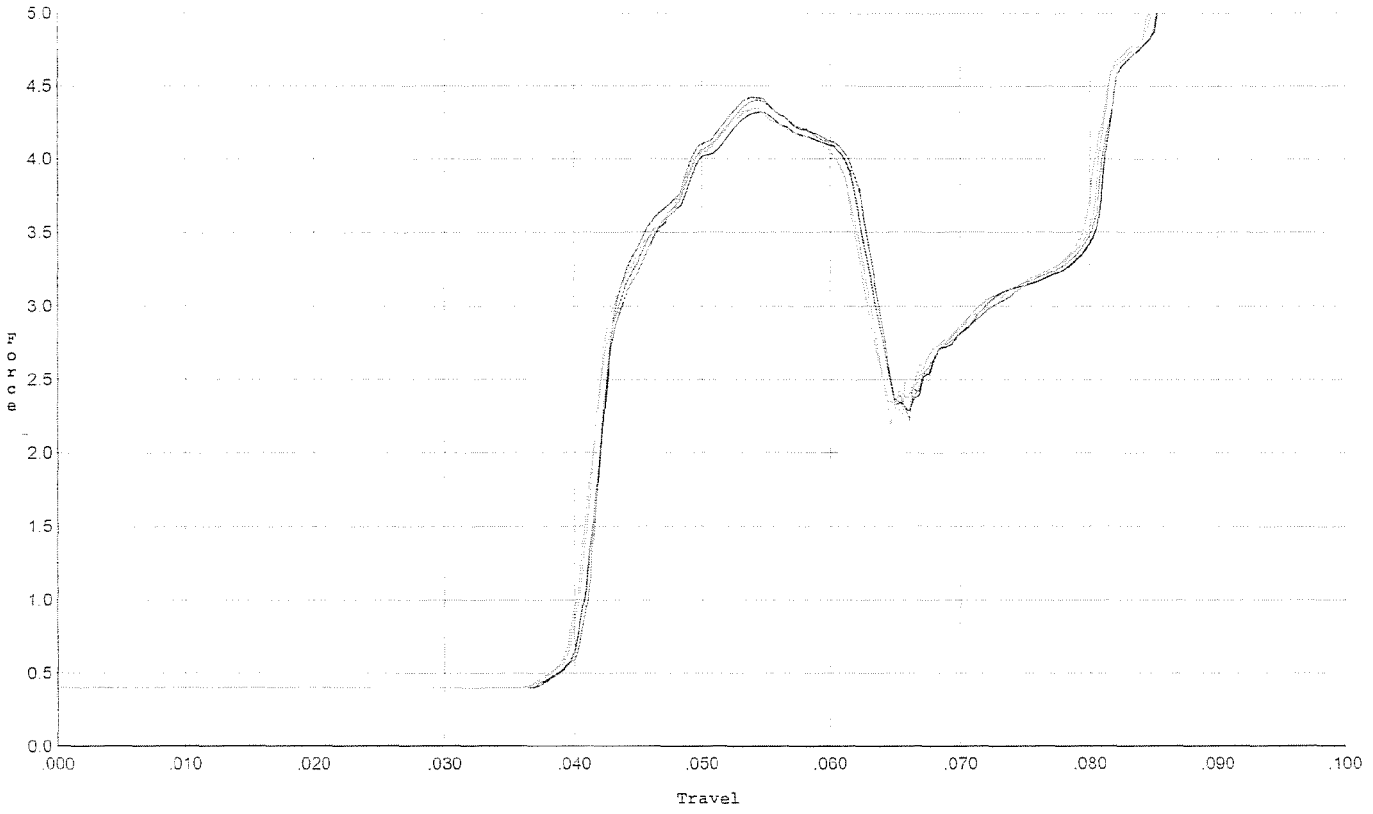
KINZER V. REMINGTON

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 lb for target&accuracy
Note:	C Schults 12/16/2008		



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.424	0.062	0.040	0.027	0.100		Set Trigger
2	4.320	0.062	0.040	0.027	0.097		Set Trigger
3	4.403	0.062	0.040	0.027	0.098		Set Trigger
4	4.338	0.062	0.040	0.027	0.099		Set Trigger
5	4.351	0.061	0.039	0.027	0.096		Set Trigger

A-436

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc., 12/16/2008 10:46:51 AM

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587581.__0
FILE DATE AND TIME: 01/27/2009 06:40

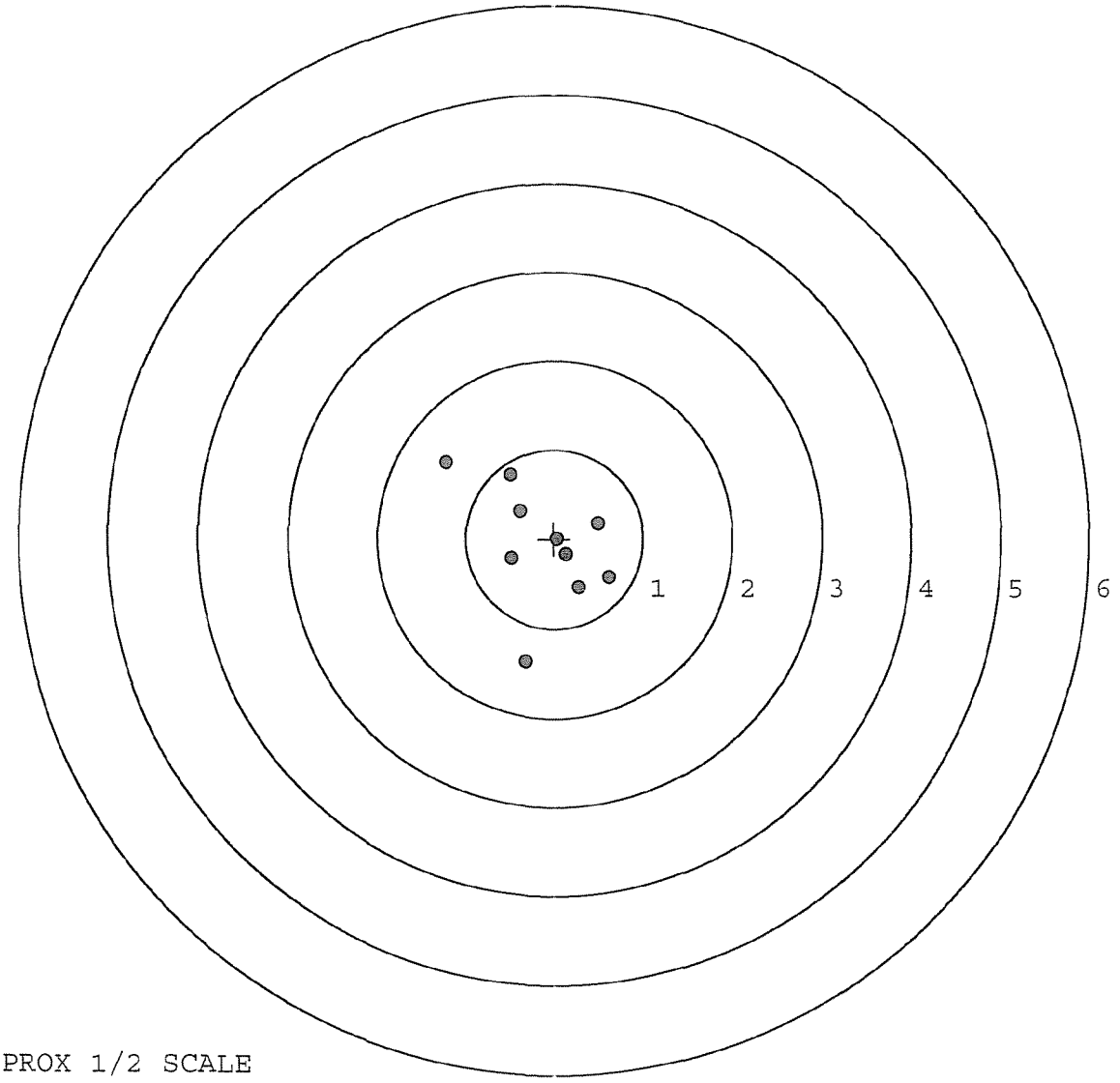
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.015
The Average Y Centroid of the Five Target Set:	0.017
The Average Point of Impact of the Five Target Set:	0.023
The Average Mean Radius of the Five Target Set:	0.628
The Distance from POA to Centroid Target #1:	0.152
The Distance from Centroid Target #2 to Centroid Target #1:	0.188
The Distance from Centroid Target #3 to Centroid Target #1:	0.166
The Distance from Centroid Target #4 to Centroid Target #1:	0.172
The Distance from Centroid Target #5 to Centroid Target #1:	0.390

SERIAL NUMBER: C6587581.__0
TARGET NUMBER: 1
FILE DATE: 01/27/2009
FILE TIME: 06:40

X CENTROID:	-0.136
Y CENTROID:	-0.068
POA TO CENTROID:	0.152
HORZ SPREAD:	1.841
VERT SPREAD:	2.219
GROUP SPREAD:	2.391
MIN RADIUS:	0.190
MAX RADIUS:	1.426
MEAN RADIUS:	0.706
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-1.224	0.854
2:	-0.333	-1.365
3:	-0.495	0.716
4:	-0.388	0.312
5:	-0.482	-0.223
6:	0.617	-0.433
7:	0.275	-0.542
8:	0.490	0.175
9:	0.140	-0.176
10:	0.040	0.003

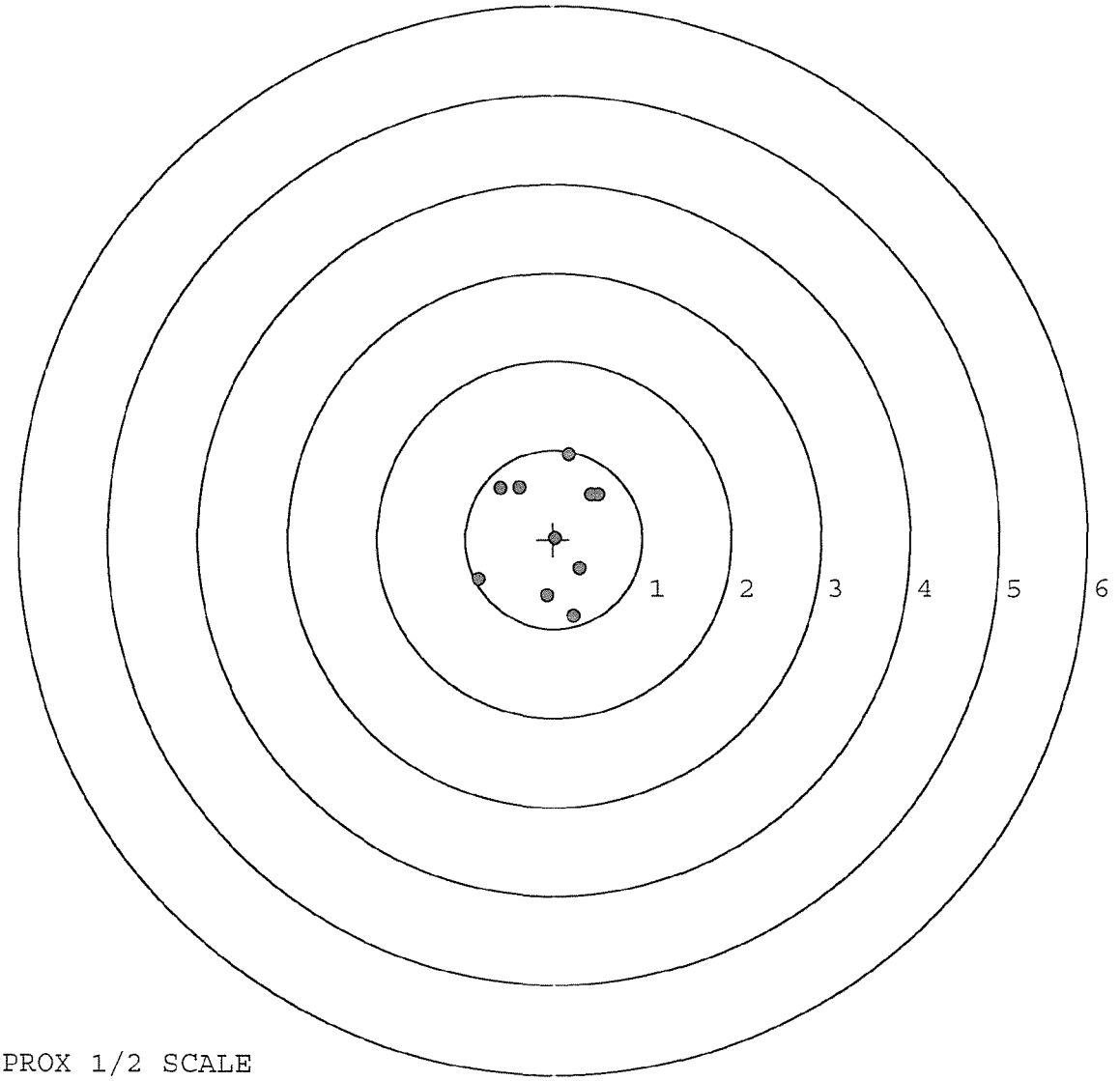


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587581.__0
TARGET NUMBER: 2
FILE DATE: 01/27/2009
FILE TIME: 06:40

X CENTROID:	-0.027
Y CENTROID:	0.085
POA TO CENTROID:	0.089
HORZ SPREAD:	1.356
VERT SPREAD:	1.812
GROUP SPREAD:	1.740
MIN RADIUS:	0.086
MAX RADIUS:	0.984
MEAN RADIUS:	0.683
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.603	0.567
2:	-0.390	0.575
3:	0.178	0.950
4:	0.505	0.504
5:	-0.851	-0.453
6:	0.221	-0.862
7:	-0.078	-0.630
8:	0.297	-0.321
9:	0.026	0.017
10:	0.424	0.505

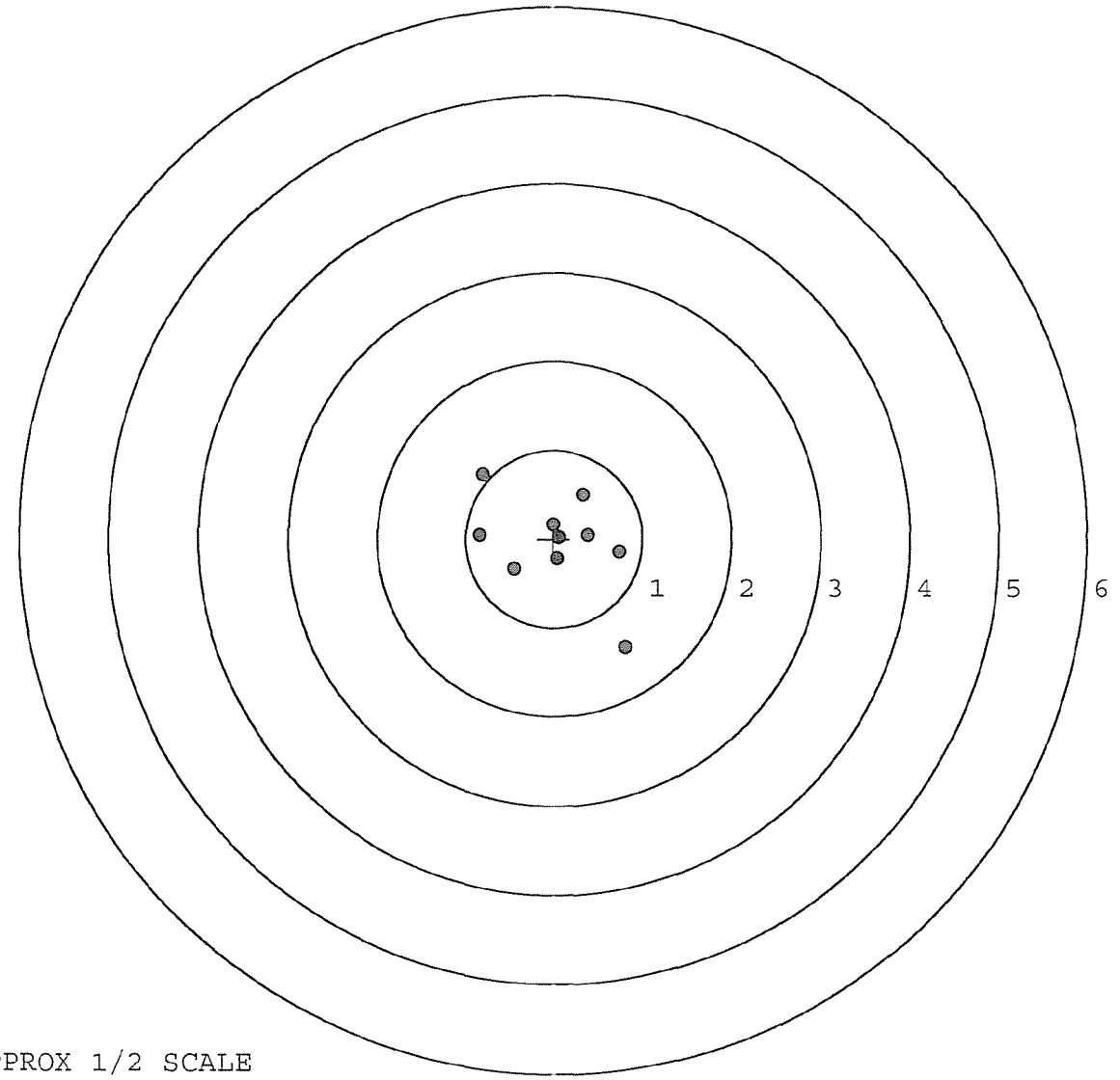


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587581.__0
TARGET NUMBER: 3
FILE DATE: 01/27/2009
FILE TIME: 06:40

X CENTROID:	0.028
Y CENTROID:	-0.041
POA TO CENTROID:	0.050
HORZ SPREAD:	1.651
VERT SPREAD:	1.956
GROUP SPREAD:	2.538
MIN RADIUS:	0.074
MAX RADIUS:	1.420
MEAN RADIUS:	0.617
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.812	-1.225
2:	-0.806	0.731
3:	-0.839	0.052
4:	-0.448	-0.340
5:	0.328	0.505
6:	0.743	-0.146
7:	0.389	0.051
8:	-0.005	0.160
9:	0.043	-0.225
10:	0.063	0.024

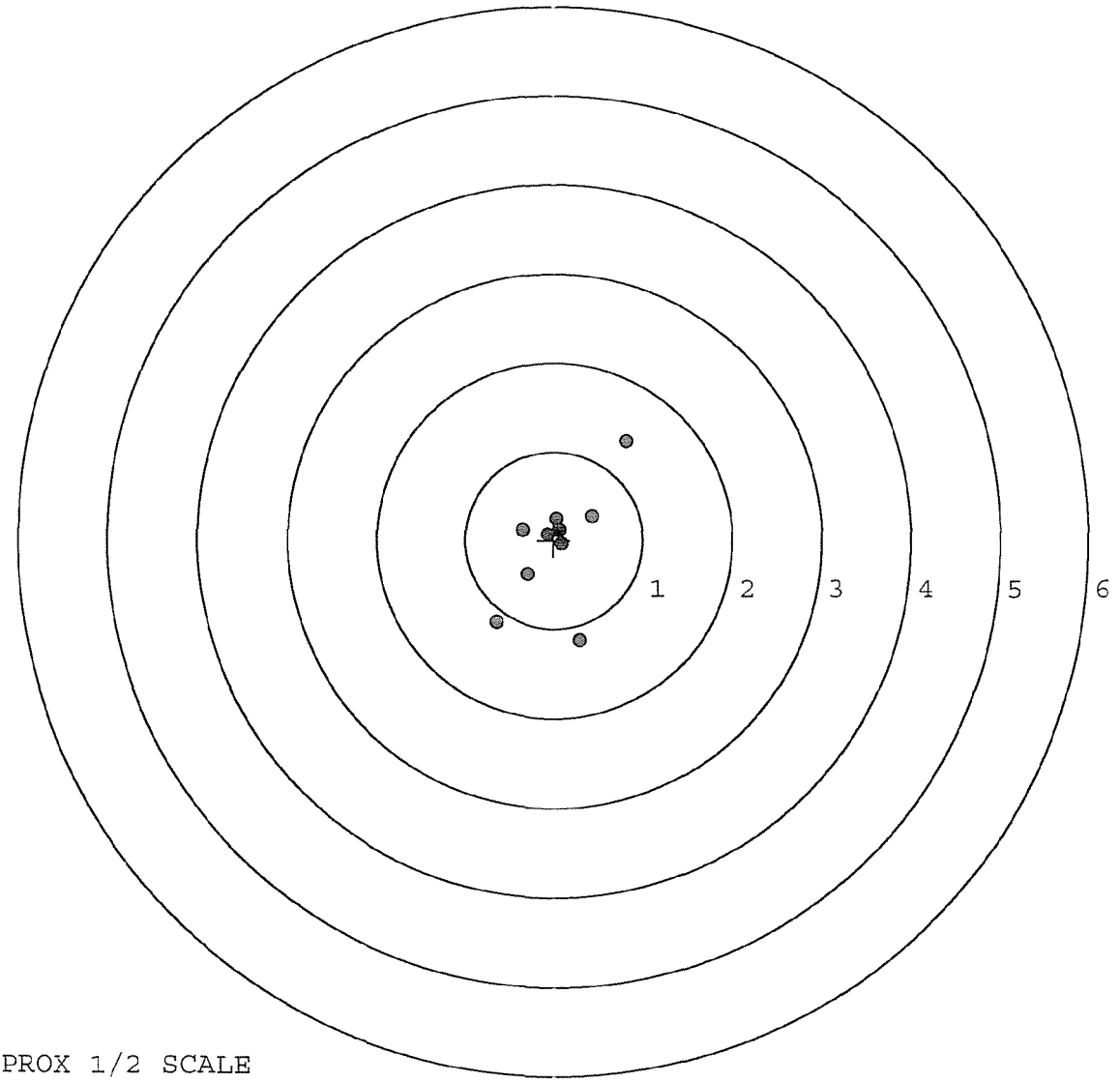


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587581.__0
TARGET NUMBER: 4
FILE DATE: 01/27/2009
FILE TIME: 06:40

X CENTROID:	0.036
Y CENTROID:	-0.059
POA TO CENTROID:	0.069
HORZ SPREAD:	1.466
VERT SPREAD:	2.252
GROUP SPREAD:	2.522
MIN RADIUS:	0.056
MAX RADIUS:	1.408
MEAN RADIUS:	0.574
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.814	1.115
2:	0.291	-1.137
3:	-0.652	-0.937
4:	-0.298	-0.391
5:	-0.354	0.112
6:	-0.067	0.064
7:	0.090	-0.042
8:	0.431	0.269
9:	0.034	0.242
10:	0.072	0.119

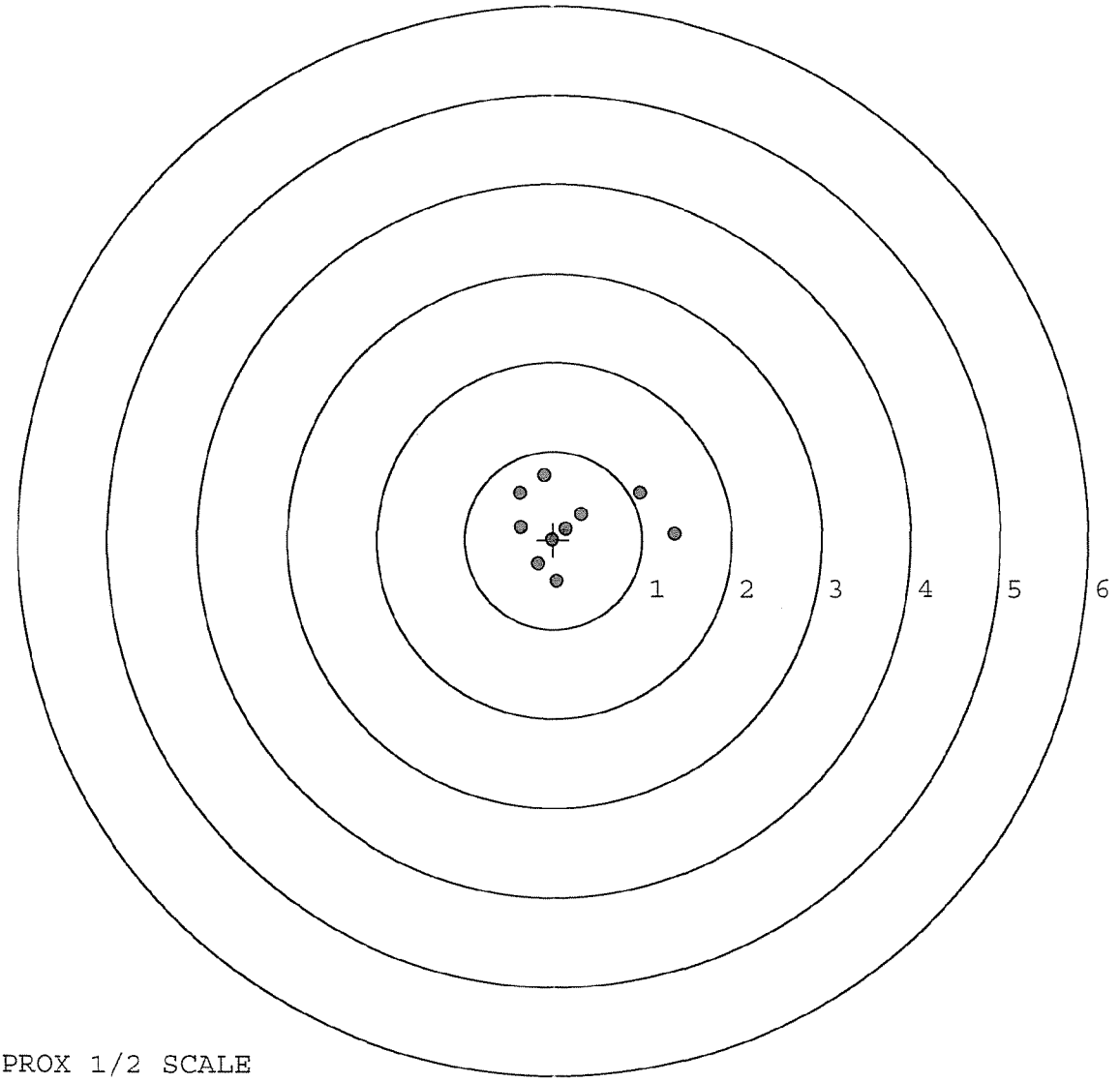


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587581.__0
TARGET NUMBER: 5
FILE DATE: 01/27/2009
FILE TIME: 06:40

X CENTROID:	0.176
Y CENTROID:	0.166
POA TO CENTROID:	0.242
HORZ SPREAD:	1.743
VERT SPREAD:	1.194
GROUP SPREAD:	1.805
MIN RADIUS:	0.059
MAX RADIUS:	1.189
MEAN RADIUS:	0.562
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.361	0.065
2:	0.967	0.527
3:	-0.107	0.728
4:	-0.382	0.533
5:	0.039	-0.466
6:	-0.175	-0.273
7:	-0.375	0.143
8:	0.312	0.290
9:	-0.019	-0.004
10:	0.138	0.121



TARGET APPROX 1/2 SCALE

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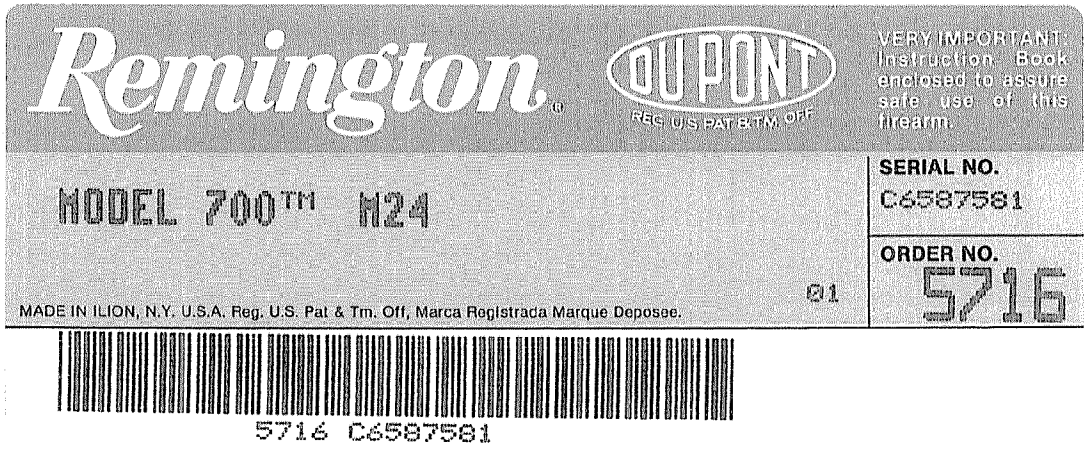


How In Stock
Fore Emp Tag
Repaired 12/3/90
RW

M240002318

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C-6587581

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/19/90	KA
600	Proof		10/19/90	KA
607	Check Headspace		10/19/90	KA
610	Dis-assemble Gun		10/19/90	KA
612	Magnaflux Barrel Action		10/22/90	KR
	Magnaflux Bolt		10/22/90	KR
615	Rollmark Caliber		10/22/90	KR
617	Drill and Tap Sight Holes		10/23/90	KB
618	Polish Barrel KB		10/24/90	KB
620	Apply Coatings (Barrel Action)		11-6-90	TS
	Apply Coating (Bolt)		11-6-90	TS
625	Final Assembly A) Clean inside of Bolt Assembly		11-6-90	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-6-90	K.S.
	C) Inspect Ejector Hole for Chamfer		11-6-90	K.S.
	D) Oil Firing Pin Ass'y		11-6-90	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		11-8-90	KA

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/4	5.0	~~11-7-90~~ 11-8-90	KS
	G) Safety Off Force	2 1/2	2 3/4	2. 3/4	11-7-90	KS
	H) Trigger Pull Test & Retainability				11-8-90	
	I) Firing Pin Indent	.022	.024	.023	11/7/90	KS
	J) Assemble Stock				11/8/90	KS
	K) Assemble Swivel Studs				11-9-90	DH
	L) Attach Front and Rear Sight Assemblies				11/8/90	KS
	M) Iron Sight Alignment				11/8/90	KS
	N) Detach Front & Rear Sights & place in numbered container				11/9/90	KS
	O) Attach Scope to Rifle				11/8/90	KS
	P) Detach & Attach Scope 20 Times				11/8/90	KS
640	Gallery Target & Test				11-8-90	DH
	A) Time				11-8-90	DH
	B) Malfunctions				11-8-90	DH
	C) Pierced Primers				11-9-90	DH
	D) Optical Clearity of Scope				11-9-90	DH
645	Inspect for Live Ammo				11-9-90	DH
655	Final Inspection A) Headspace				11-19-90	DH
	B) Trigger Pull	2.10	2.33	2.60	2.44 2.48	11-19-90 DH
	C) Function				11-19-90	DH
660	Pack				12-17-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. CL587581

DATE 11-8-90

TESTER

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.27	2.38	2.70	MIN. SETTING,
PULL #2	2.41	2.36	2.23	2.33	NO AVG. OF 5
PULL #3	2.26	2.38	2.20	2.60	READINGS ACCEPT-
PULL #4	2.50	2.36	2.35	2.44	ABLE LESS THAN 2#
PULL #5	2.50	2.32	2.30	2.48	
TOTAL	12.11	11.69	11.46		
AVG.	2.422	2.338	2.292		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.46		
PULL #2	3.43	3.52		
PULL #3	3.35	3.42		
PULL #4	3.50	3.25		
PULL #5	3.33	3.24		
TOTAL	16.97	16.89		
AVG.	3.394	3.378		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.44	4.24		4.29
PULL #2	4.29	4.48		4.50
PULL #3	4.42	4.43		4.43
PULL #4	4.20	4.34		4.27
PULL #5	4.22	4.52		4.35
TOTAL	21.57	22.01		21.84
AVG.	4.314	4.402		4.368

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587581
9 Nov 1990

CENTROIDAL DISTANCES

0	TO	1	.282078
1	TO	2	.537135
1	TO	3	.321237
1	TO	4	.194756
1	TO	5	.259278

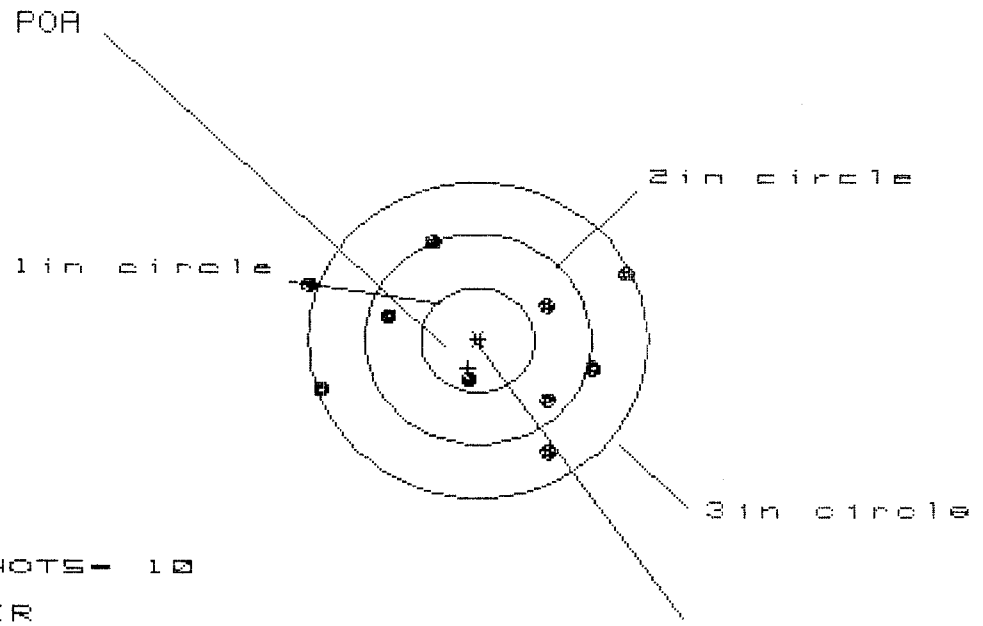
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.02
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .044
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0483322

THE AMR FOR THIS RIFLE IS: 1.137

9 Nov 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6587581

CENTERFIRE PATTERNS # 1



# OF SHOTS= 10
# IN CIR
1in = 1
2in = 4
3in = 9
HS= 2.797
VS= 1.990
GS= 2.891

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.309	1.143	.989
MINIMUM X	:	-1.488	-1.515	-1.372
MAXIMUM Y	:	.949	1.006	1.097
MINIMUM Y	:	-1.041	-.984	-.893
CENTROID X	:	.088	.254	.111
CENTROID Y	:	.268	.211	.120
POA TO CENTROID in.	:	.282	.330	.163
MIN RADIUS	:	.356	.405	.240
MEAN RADIUS	:	1.051	.972	.914
MAX RADIUS	:	1.574	1.569	1.408
HORIZONTAL SPREAD	:	2.797	2.658	2.361
VERTICAL SPREAD	:	1.990	1.990	1.990
EXTREME SPREAD	:	2.891	2.891	2.372
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

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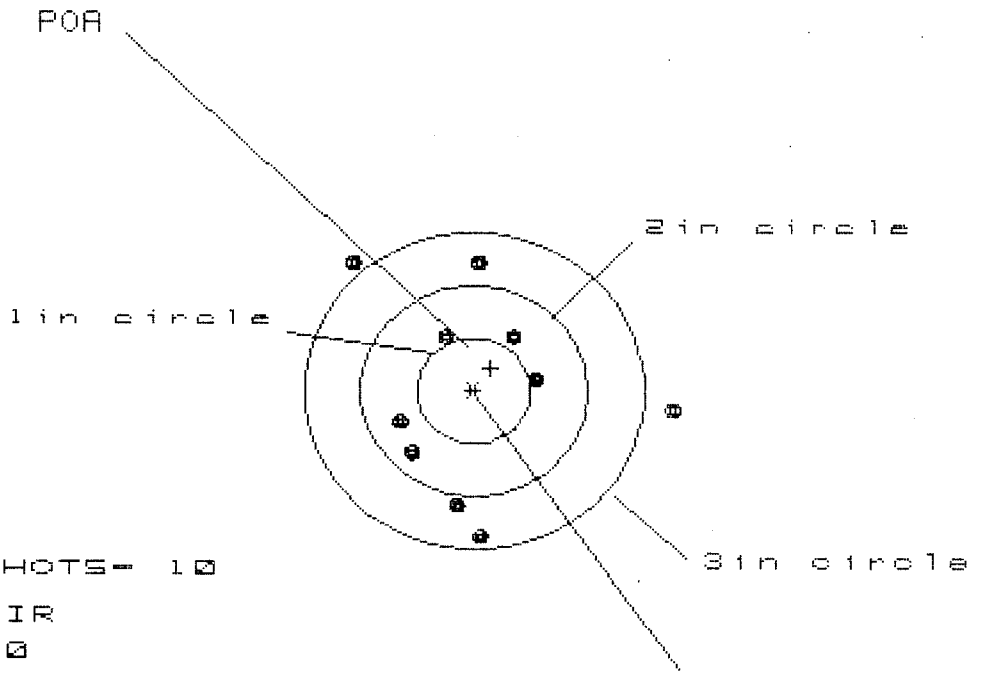
CENTERFIRE PATTERNS # 2



OF SHOTS= 10

# IN CIR	
1in	= 0
2in	= 5
3in	= 8

HS= 2.818
VS= 2.576
GS= 3.150

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.724	.720	.607
MINIMUM X	:	-1.094	-.902	-.553
MAXIMUM Y	:	1.229	1.204	1.349
MINIMUM Y	:	-1.347	-1.372	-1.228
CENTROID X	:	-.147	-.339	-.226
CENTROID Y	:	-.215	-.190	-.334
POA TO CENTROID in.	:	.261	.388	.404
MIN RADIUS	:	.534	.535	.585
MEAN RADIUS	:	1.033	.942	.867
MAX RADIUS	:	1.739	1.466	1.353
HORIZONTAL SPREAD	:	2.818	1.622	1.160
VERTICAL SPREAD	:	2.576	2.576	2.576
EXTREME SPREAD	:	3.150	2.792	2.577
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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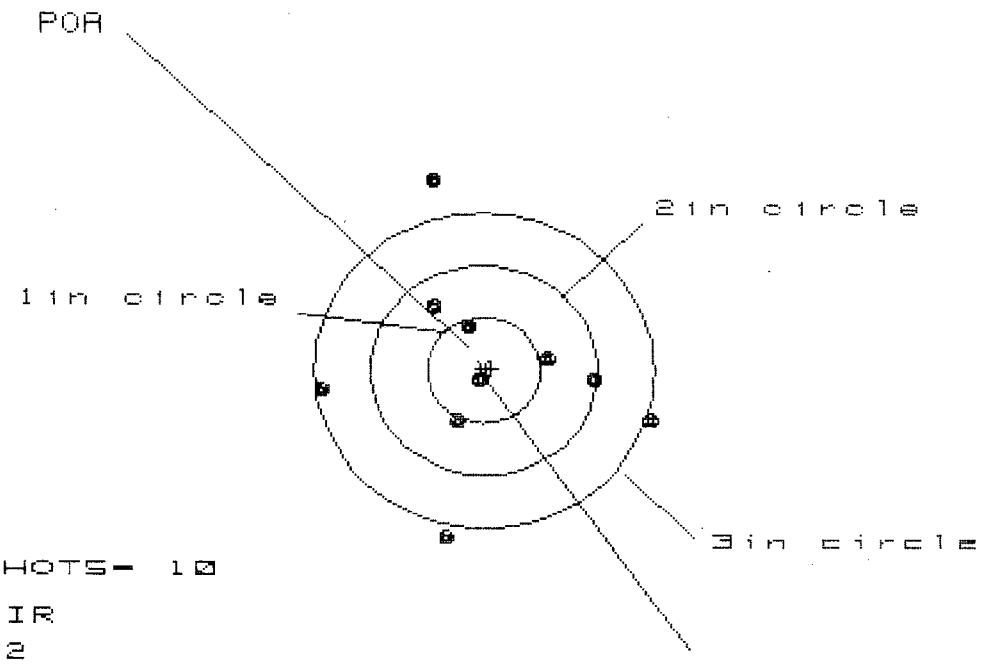
CENTERFIRE PATTERNS # 3



OF SHOTS= 10

# IN CIR
1in = 2
2in = 5
3in = 7

HS= 2.974
VS= 3.476
GS= 3.479

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.501	1.451	1.407
MINIMUM X	:	-1.473	-1.523	-1.567
MAXIMUM Y	:	1.846	.868	.690
MINIMUM Y	:	-1.630	-1.424	-.498
CENTROID X	:	-.064	-.014	.030
CENTROID Y	:	-.015	-.221	-.043
POA TO CENTROID in.	:	.066	.221	.052
MIN RADIUS	:	.105	.108	.114
MEAN RADIUS	:	1.004	.907	.809
MAX RADIUS	:	1.900	1.524	1.572
HORIZONTAL SPREAD	:	2.974	2.974	2.974
VERTICAL SPREAD	:	3.476	2.292	1.187
EXTREME SPREAD	:	3.479	2.999	2.999
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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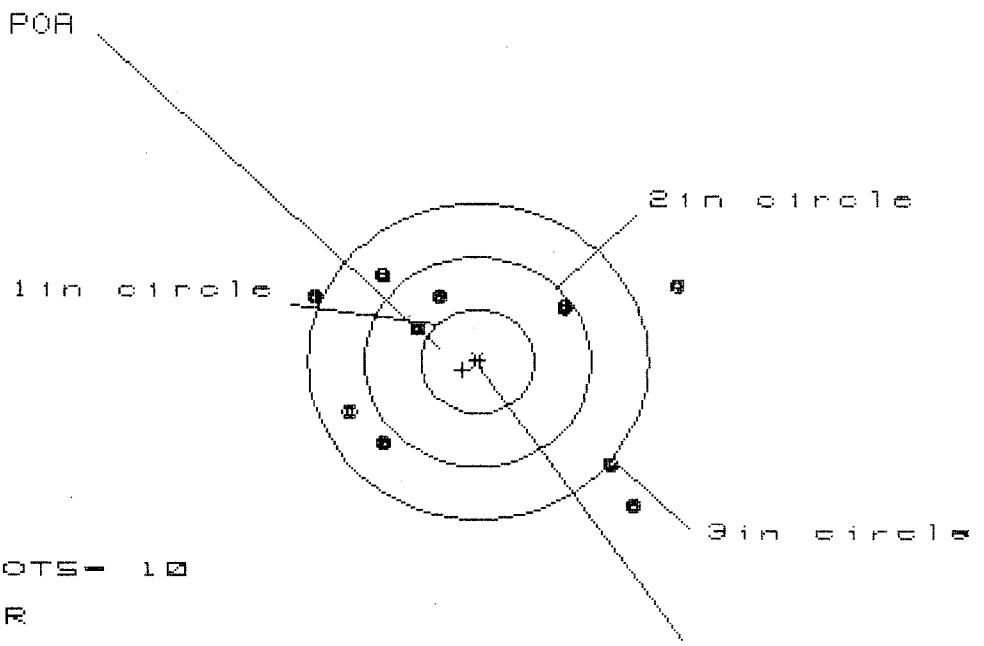
CENTERFIRE PATTERNS # 4

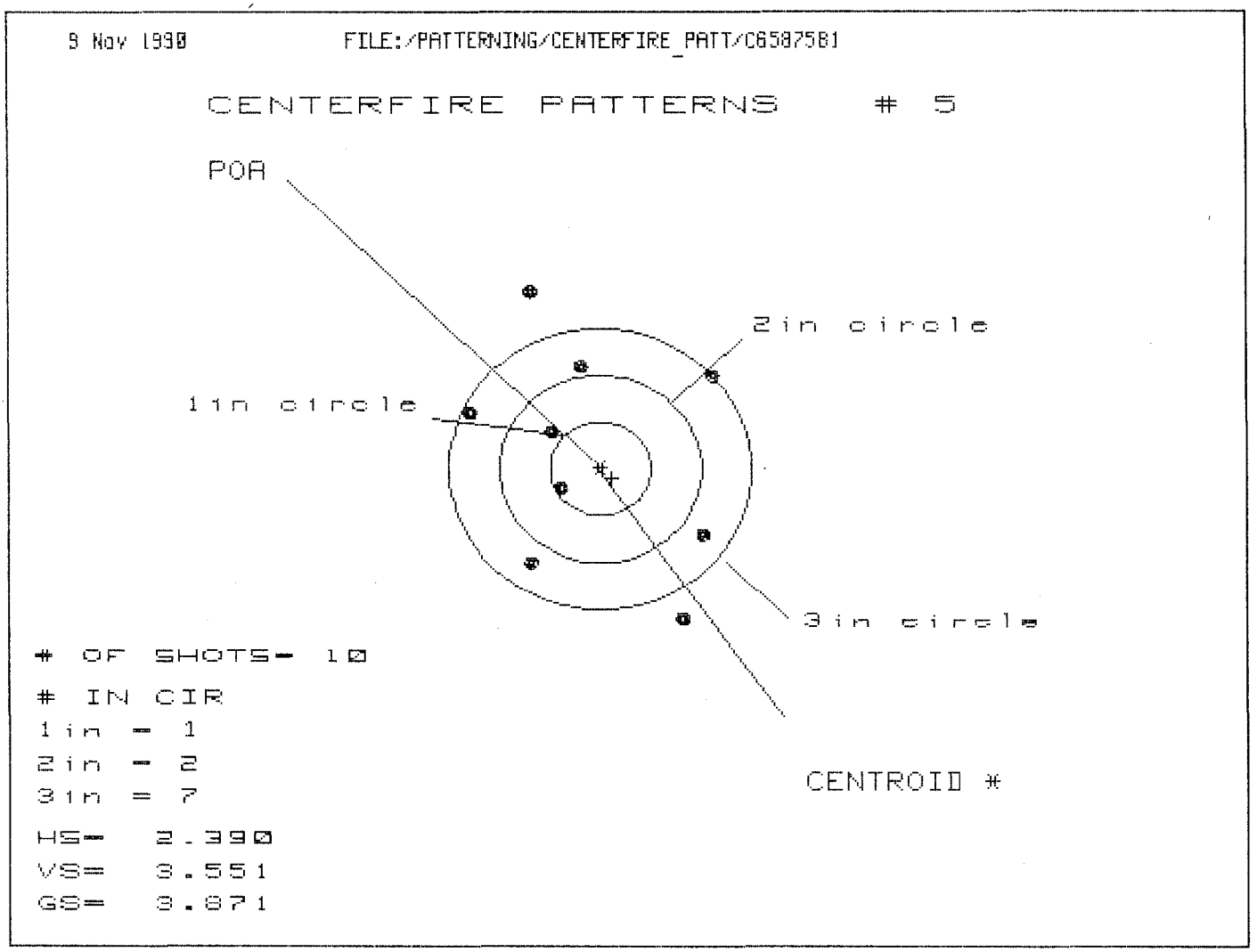


OF SHOTS= 10

# IN CIR
1in = 0
2in = 3
3in = 6

HS= 3.208
VS= 2.211
GS= 3.473

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.752	1.905	1.544
MINIMUM X	:	-1.456	-1.303	-1.065
MAXIMUM Y	:	.836	.683	.749
MINIMUM Y	:	-1.375	-1.167	-1.101
CENTROID X	:	.135	-.018	-.256
CENTROID Y	:	.079	.232	.166
POA TO CENTROID in.	:	.157	.233	.305
MIN RADIUS	:	.634	.424	.302
MEAN RADIUS	:	1.278	1.149	.999
MAX RADIUS	:	1.943	1.976	1.896
HORIZONTAL SPREAD	:	3.208	3.208	2.609
VERTICAL SPREAD	:	2.211	1.850	1.850
EXTREME SPREAD	:	3.473	3.208	3.089
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.090	1.013	1.109
MINIMUM X	:	-1.300	-1.377	-1.281
MAXIMUM Y	:	1.920	1.329	1.152
MINIMUM Y	:	-1.631	-1.418	-1.536
CENTROID X	:	-.112	-.035	-.131
CENTROID Y	:	.103	-.110	.067
POA TO CENTROID in.	:	.152	.115	.147
MIN RADIUS	:	.411	.451	.379
MEAN RADIUS	:	1.317	1.236	1.159
MAX RADIUS	:	2.041	1.613	1.768
HORIZONTAL SPREAD	:	2.390	2.390	2.390
VERTICAL SPREAD	:	3.551	2.747	2.688
EXTREME SPREAD	:	3.871	3.102	3.066
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	