C6594530

MODEL 700 TM M24

Model SPS TM

Action

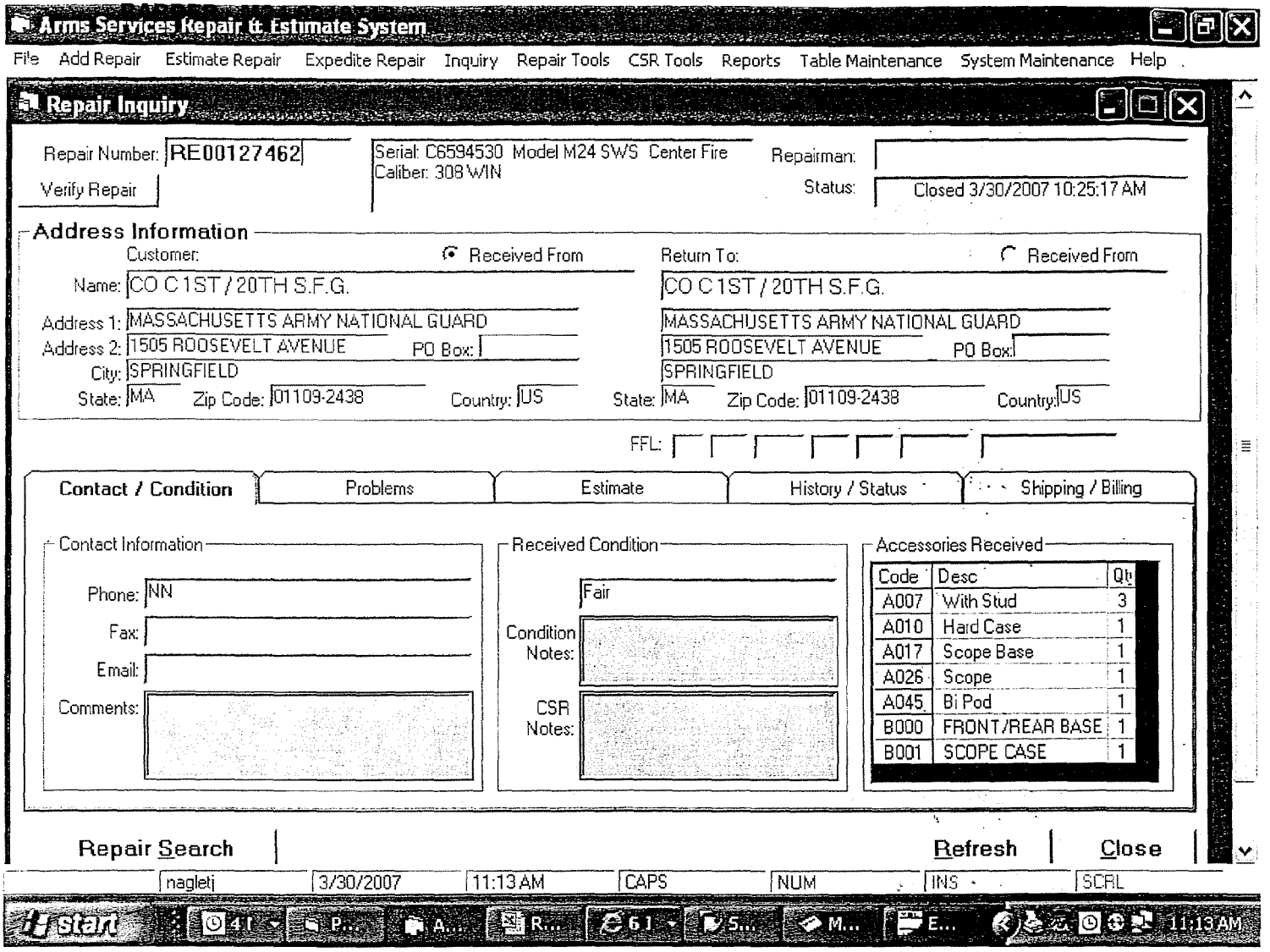
Barrel Length

Capacity

Order No. 5716

*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: RE00127462
Verify Repair
Serial: C6594530 Model M24 SWS Center Fire
Caliber: 308 WIN
Repairman:
Status: Closed 3/30/2007 10:25:17 AM
Address Information
Customer: Received From
Name: CO C 1ST / 20TH S.F.G.
Address 1: MASSACHUSETTS ARMY NATIONAL GUARD
Address 2: 1505 ROOSEVELT AVENUE PO Box:
City: SPRINGFIELD
State: MA Zip Code: 01109-2438 Country: US
Return To: Received From
CO C 1ST / 20TH S.F.G.
MASSACHUSETTS ARMY NATIONAL GUARD
1505 ROOSEVELT AVENUE PO Box:
SPRINGFIELD
State: MA Zip Code: 01109-2438 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
A010 Hard Case 1
A017 Scope Base 1
A026 Scope 1
A045 Bi Pod 1
B000 FRONT/REAR BASE 1
B001 SCOPE CASE 1
Repair Search
Refresh
Close
nagletj 3/30/2007 11:13 AM CAPS NUM INS SCRL
start
11:13 AM


Serial Number:
C6594530
Model: M24 SWS
RE00127462

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594530.__0
FILE DATE AND TIME: 05/08/2007 13:12

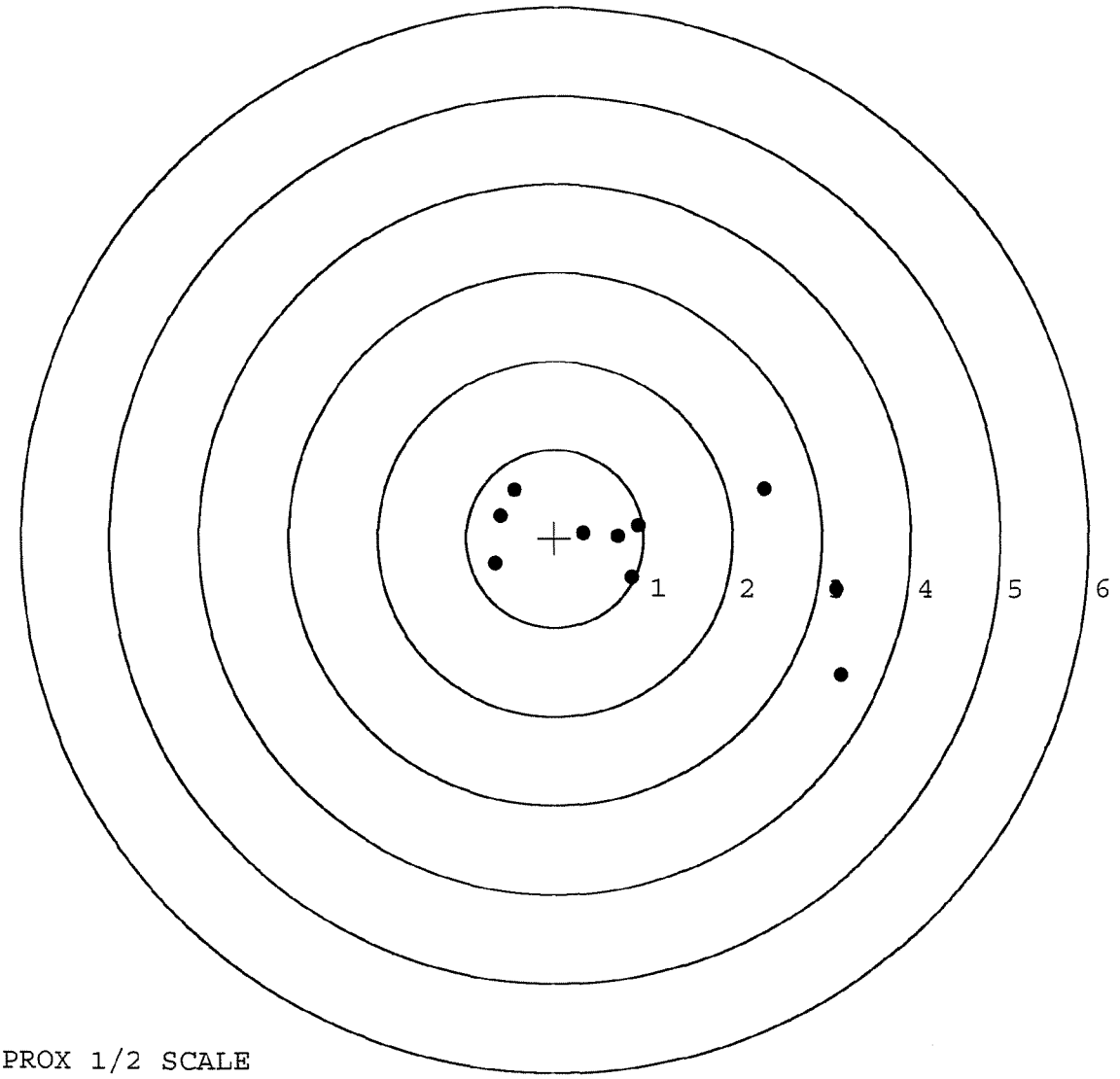
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.199
The Average Y Centroid of the Five Target Set:	-0.082
The Average Point of Impact of the Five Target Set:	0.215
The Average Mean Radius of the Five Target Set:	0.752
The Distance from POA to Centroid Target #1:	0.992
The Distance from Centroid Target #2 to Centroid Target #1:	1.046
The Distance from Centroid Target #3 to Centroid Target #1:	0.954
The Distance from Centroid Target #4 to Centroid Target #1:	1.009
The Distance from Centroid Target #5 to Centroid Target #1:	0.969

SERIAL NUMBER: C6594530.__0
TARGET NUMBER: 1
FILE DATE: 05/08/2007
FILE TIME: 13:12

X CENTROID:	0.985
Y CENTROID:	-0.119
POA TO CENTROID:	0.992
HORZ SPREAD:	3.886
VERT SPREAD:	2.097
GROUP SPREAD:	4.229
MIN RADIUS:	0.275
MAX RADIUS:	2.638
MEAN RADIUS:	1.288
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	4

POINT#	X	Y
1:	0.871	-0.434
2:	0.939	0.152
3:	0.333	0.061
4:	-0.454	0.540
5:	-0.620	0.253
6:	-0.668	-0.289
7:	0.718	0.032
8:	3.161	-0.556
9:	2.353	0.573
10:	3.218	-1.524

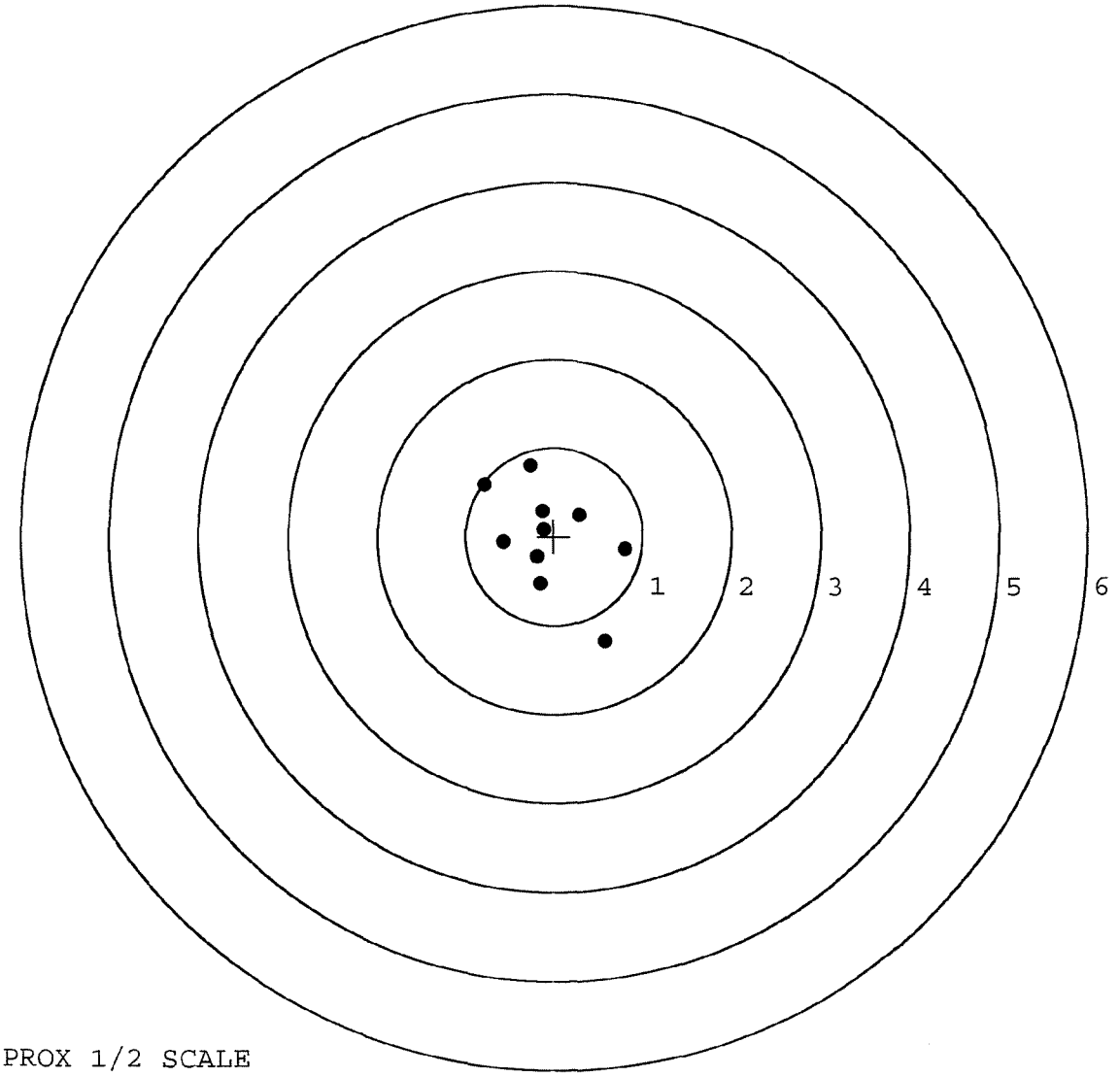


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594530.__0
TARGET NUMBER: 2
FILE DATE: 05/08/2007
FILE TIME: 13:12

X CENTROID:	-0.056
Y CENTROID:	-0.017
POA TO CENTROID:	0.059
HORZ SPREAD:	1.593
VERT SPREAD:	1.972
GROUP SPREAD:	2.230
MIN RADIUS:	0.110
MAX RADIUS:	1.324
MEAN RADIUS:	0.613
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.582	-1.177
2:	0.803	-0.144
3:	-0.160	-0.540
4:	-0.190	-0.231
5:	-0.569	-0.061
6:	0.286	0.243
7:	-0.140	0.285
8:	-0.115	0.075
9:	-0.267	0.795
10:	-0.790	0.581

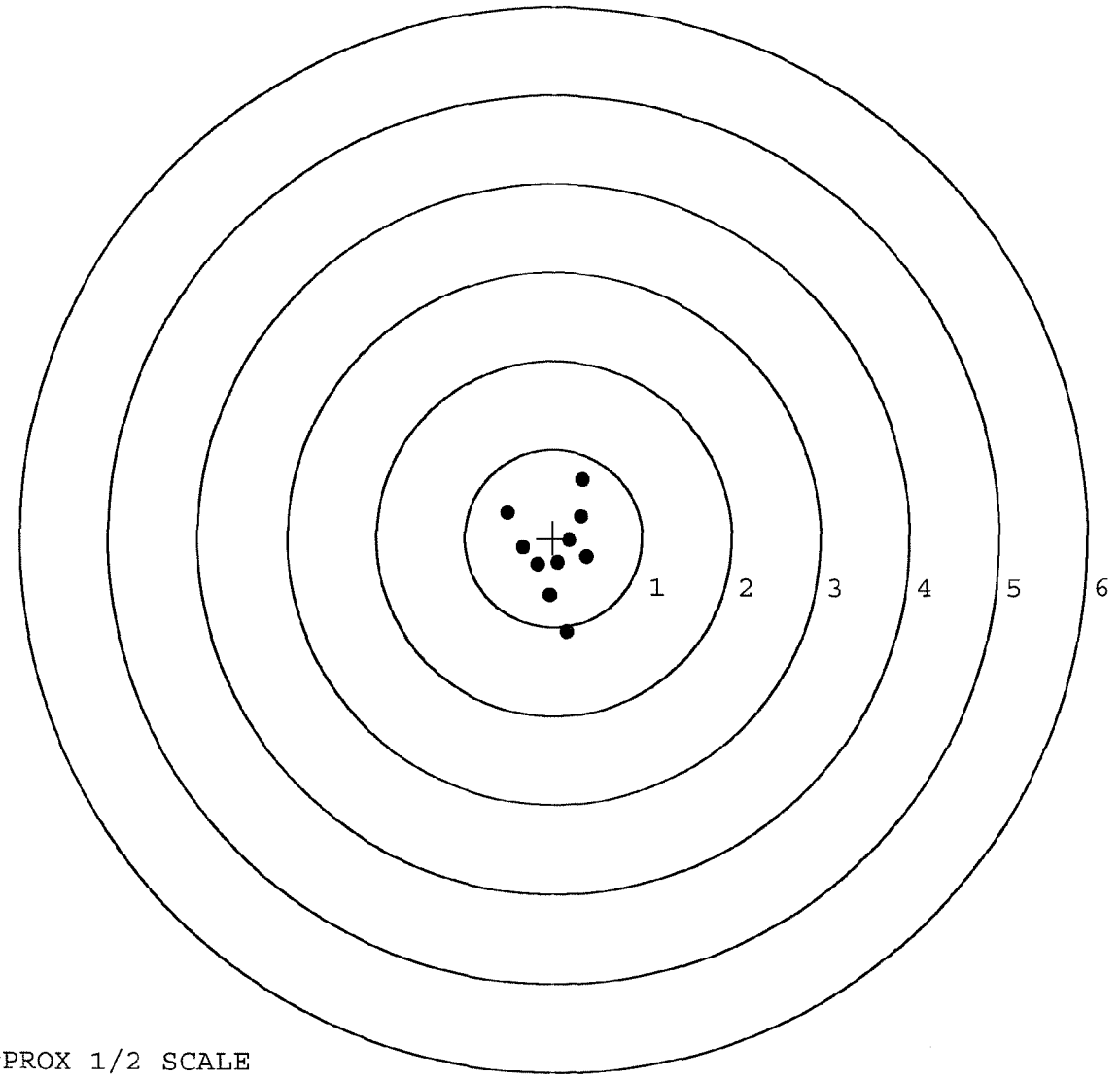


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594530.__0
TARGET NUMBER: 3
FILE DATE: 05/08/2007
FILE TIME: 13:12

X CENTROID:	0.031
Y CENTROID:	-0.146
POA TO CENTROID:	0.149
HORZ SPREAD:	0.903
VERT SPREAD:	1.724
GROUP SPREAD:	1.734
MIN RADIUS:	0.138
MAX RADIUS:	0.924
MEAN RADIUS:	0.479
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.151	-1.062
2:	-0.043	-0.648
3:	0.379	-0.210
4:	0.307	0.245
5:	0.333	0.662
6:	0.183	-0.032
7:	-0.180	-0.302
8:	-0.341	-0.111
9:	-0.524	0.283
10:	0.047	-0.283

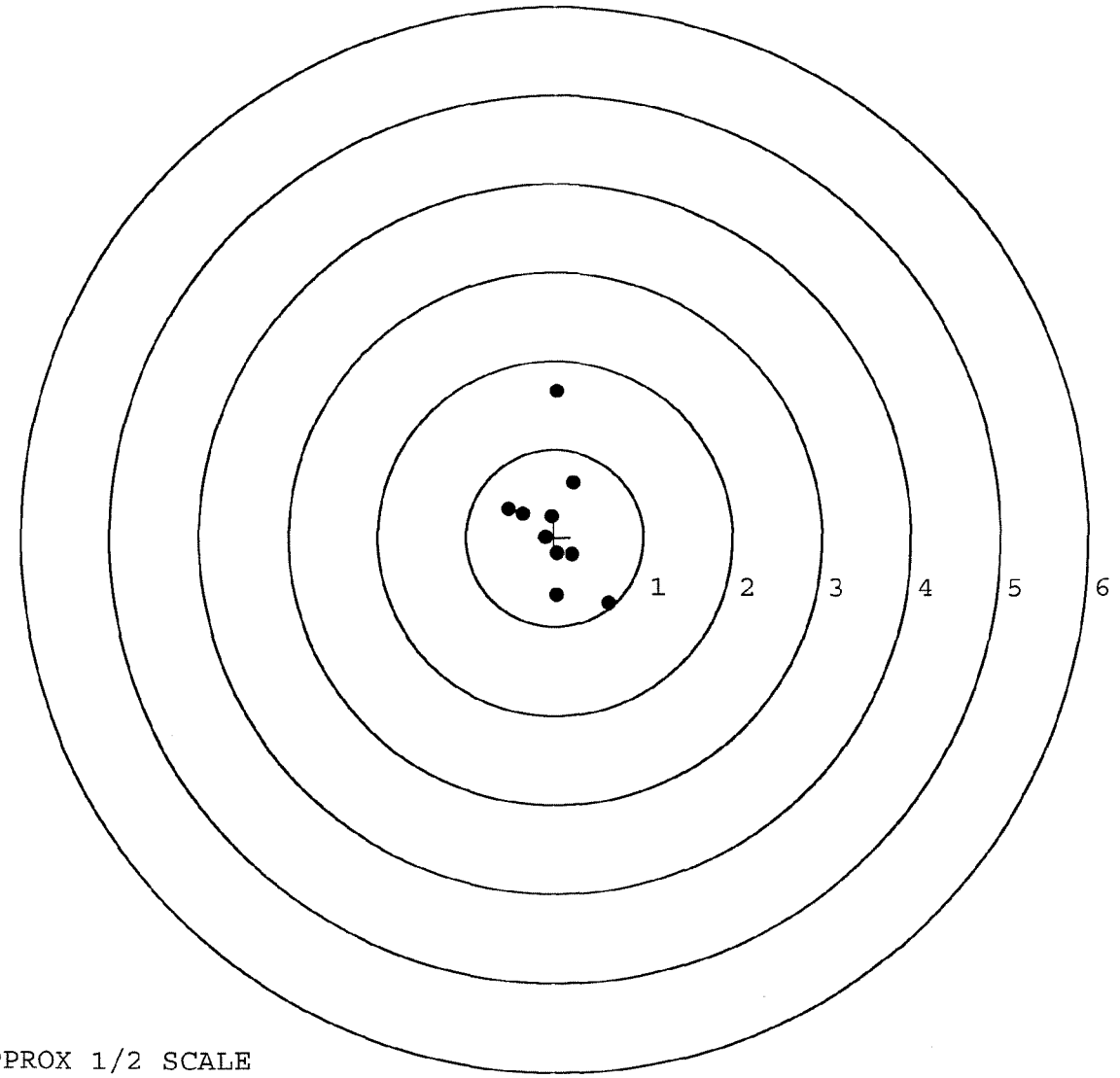


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594530.__0
TARGET NUMBER: 4
FILE DATE: 05/08/2007
FILE TIME: 13:12

X CENTROID:	0.008
Y CENTROID:	0.134
POA TO CENTROID:	0.134
HORZ SPREAD:	1.137
VERT SPREAD:	2.393
GROUP SPREAD:	2.464
MIN RADIUS:	0.112
MAX RADIUS:	1.521
MEAN RADIUS:	0.585
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.613	-0.738
2:	0.025	-0.655
3:	0.200	-0.195
4:	0.028	-0.181
5:	-0.524	0.321
6:	-0.030	0.240
7:	0.214	0.625
8:	0.025	1.655
9:	-0.363	0.270
10:	-0.106	0.000

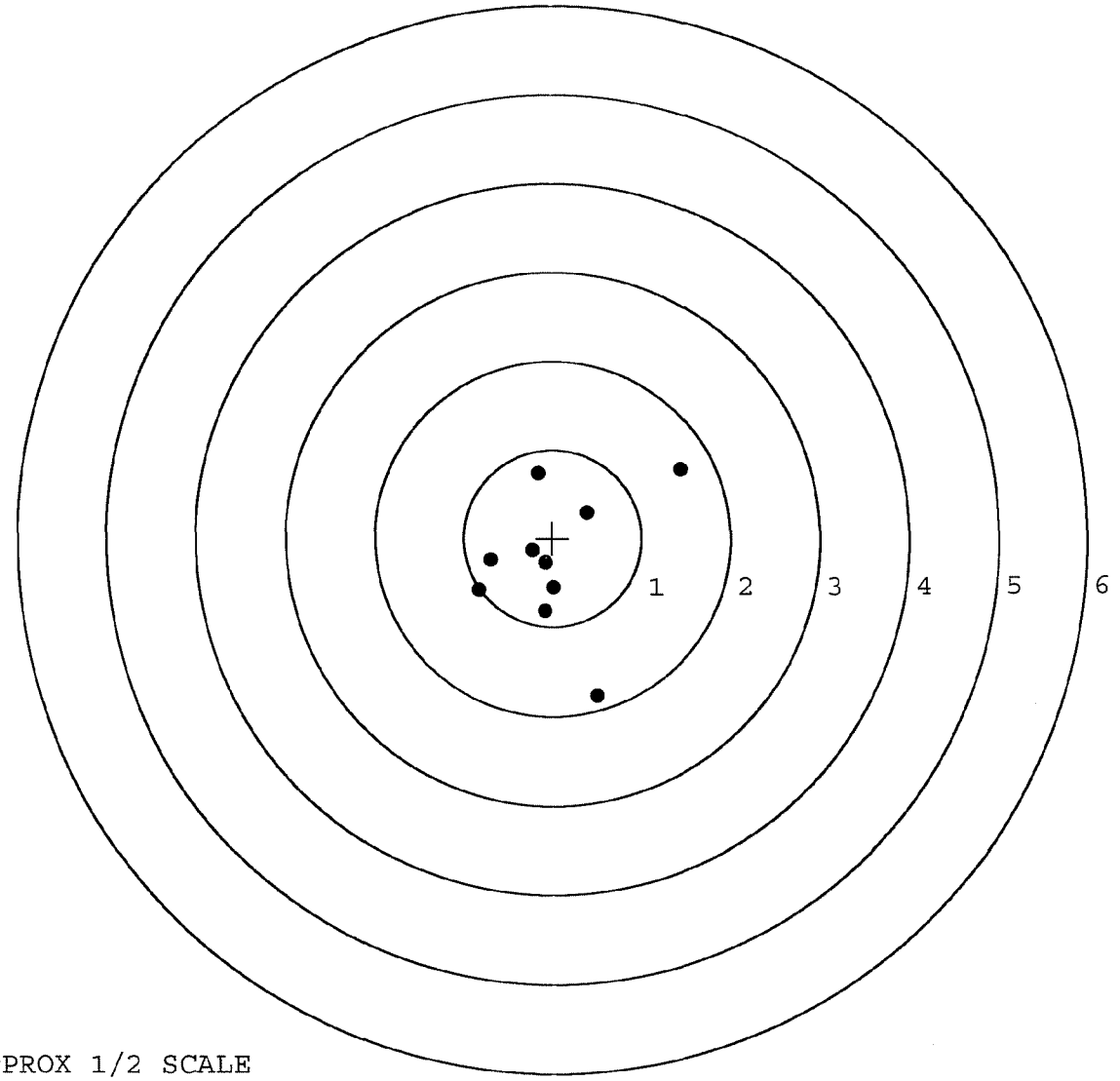


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594530.__0
TARGET NUMBER: 5
FILE DATE: 05/08/2007
FILE TIME: 13:12

X CENTROID:	0.027
Y CENTROID:	-0.262
POA TO CENTROID:	0.263
HORZ SPREAD:	2.270
VERT SPREAD:	2.561
GROUP SPREAD:	2.727
MIN RADIUS:	0.111
MAX RADIUS:	1.760
MEAN RADIUS:	0.795
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	8

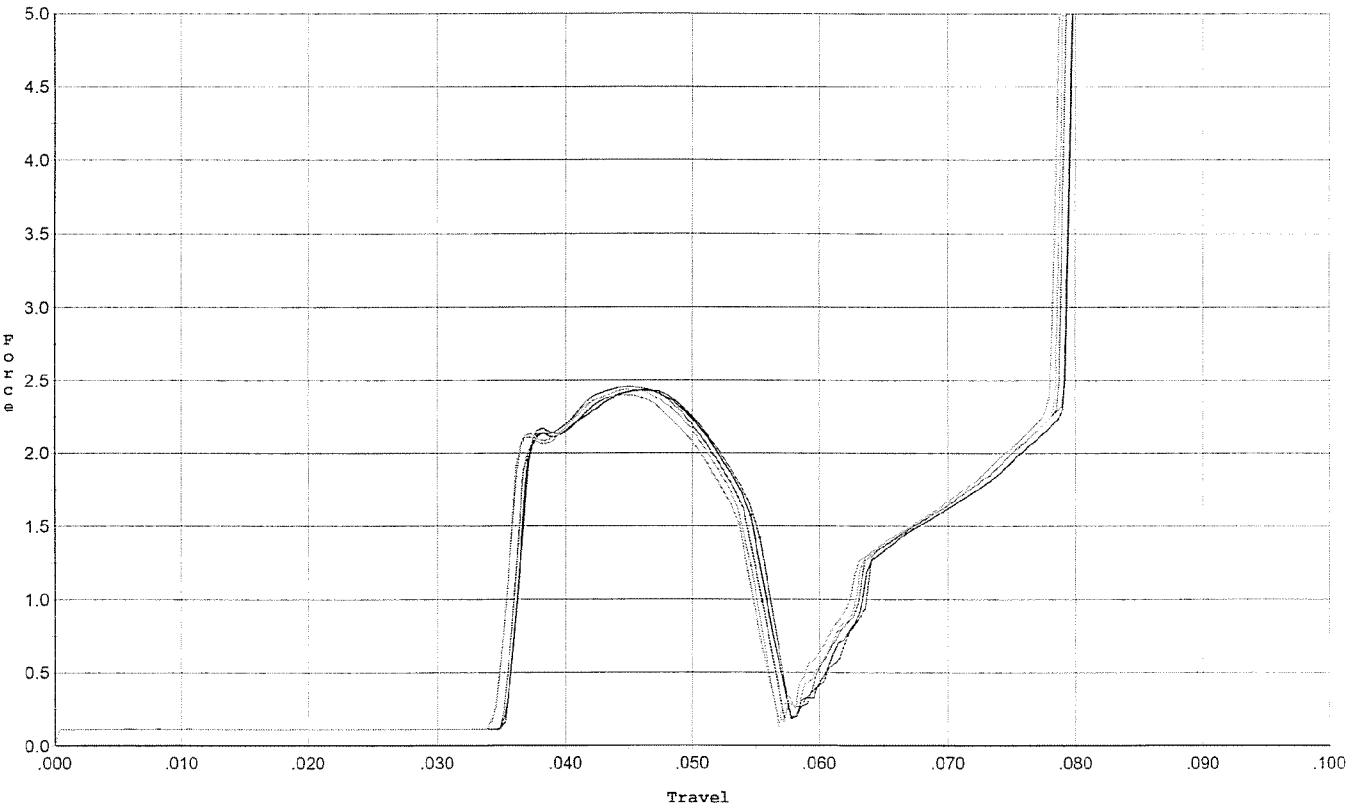
POINT#	X	Y
1:	0.504	-1.775
2:	1.440	0.786
3:	0.396	0.292
4:	-0.154	0.737
5:	-0.830	-0.592
6:	-0.696	-0.250
7:	-0.233	-0.140
8:	-0.082	-0.285
9:	0.010	-0.561
10:	-0.088	-0.833



TARGET APPROX 1/2 SCALE

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:	R. Putch 4/17/07		



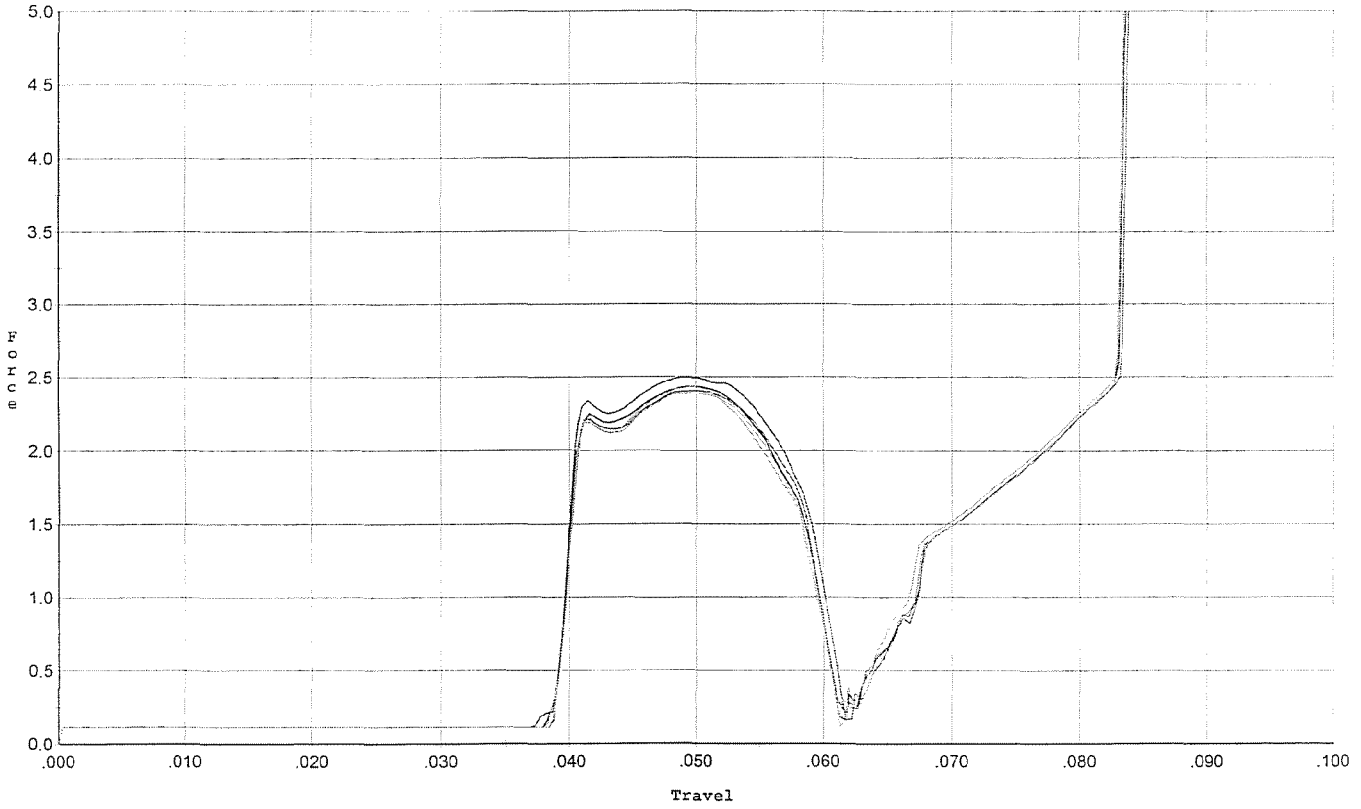
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.432	0.055	0.035	0.032	0.046		Set Trigger
2	2.430	0.055	0.035	0.032	0.045		Set Trigger
3	2.456	0.055	0.035	0.032	0.046		Set Trigger
4	2.439	0.055	0.034	0.032	0.045		Set Trigger
5	2.397	0.054	0.034	0.032	0.044		Set Trigger

AVG 2.43

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 4/17/2007 11:28:36 PM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	2.5 lbs. after 50 cycles +/- .50 lbs.
Note:	R. Putch 4/17/07		



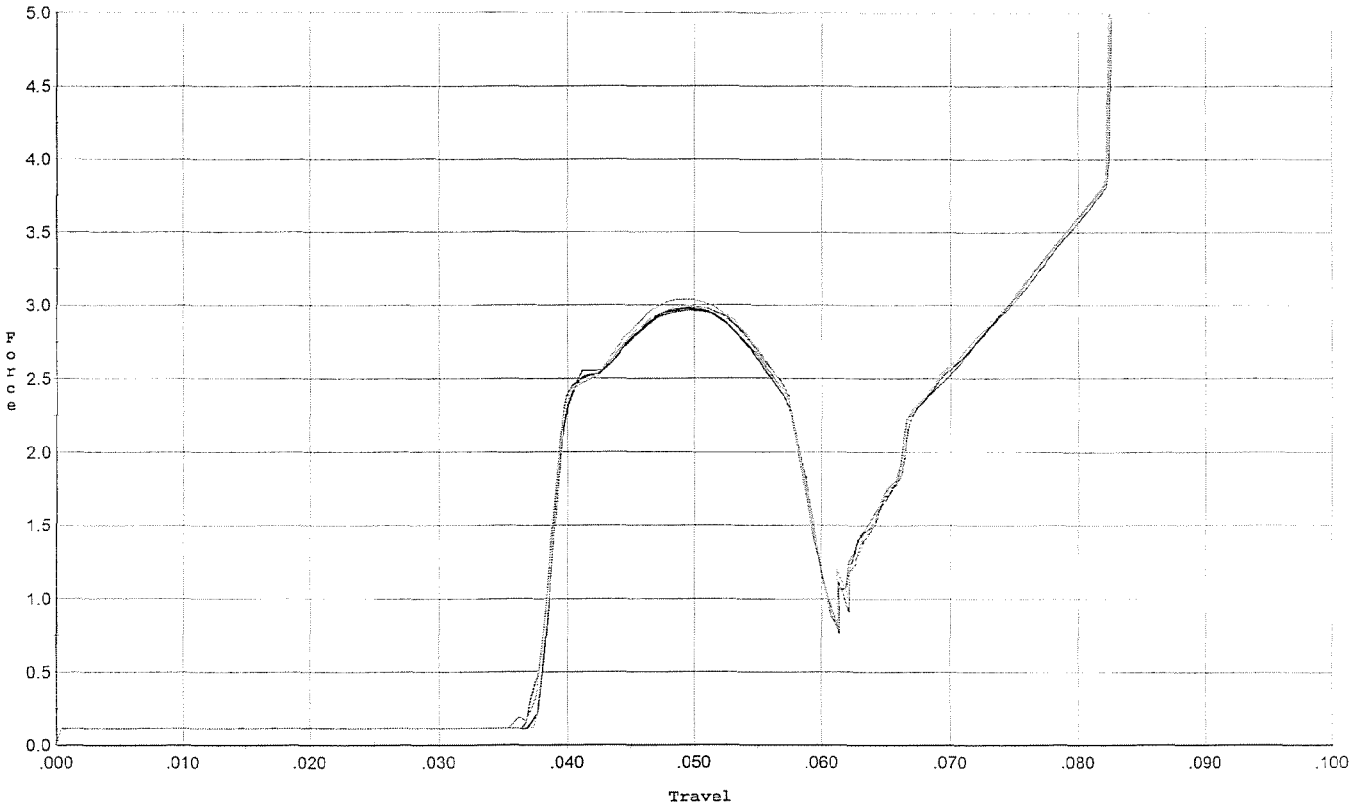
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.494	0.059	0.038	0.032	0.049		Set Trigger
2	2.434	0.059	0.039	0.032	0.047		Set Trigger
3	2.401	0.059	0.039	0.032	0.046		Set Trigger
4	2.391	0.059	0.039	0.032	0.046		Set Trigger
5	2.436	0.059	0.039	0.032	0.046		Set Trigger

Avg 2.43

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 4/17/2007 11:34:48 PM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	3.0 lbs. ini. +/- .75 lbs.
Note:	R. Putch 4/17/07		



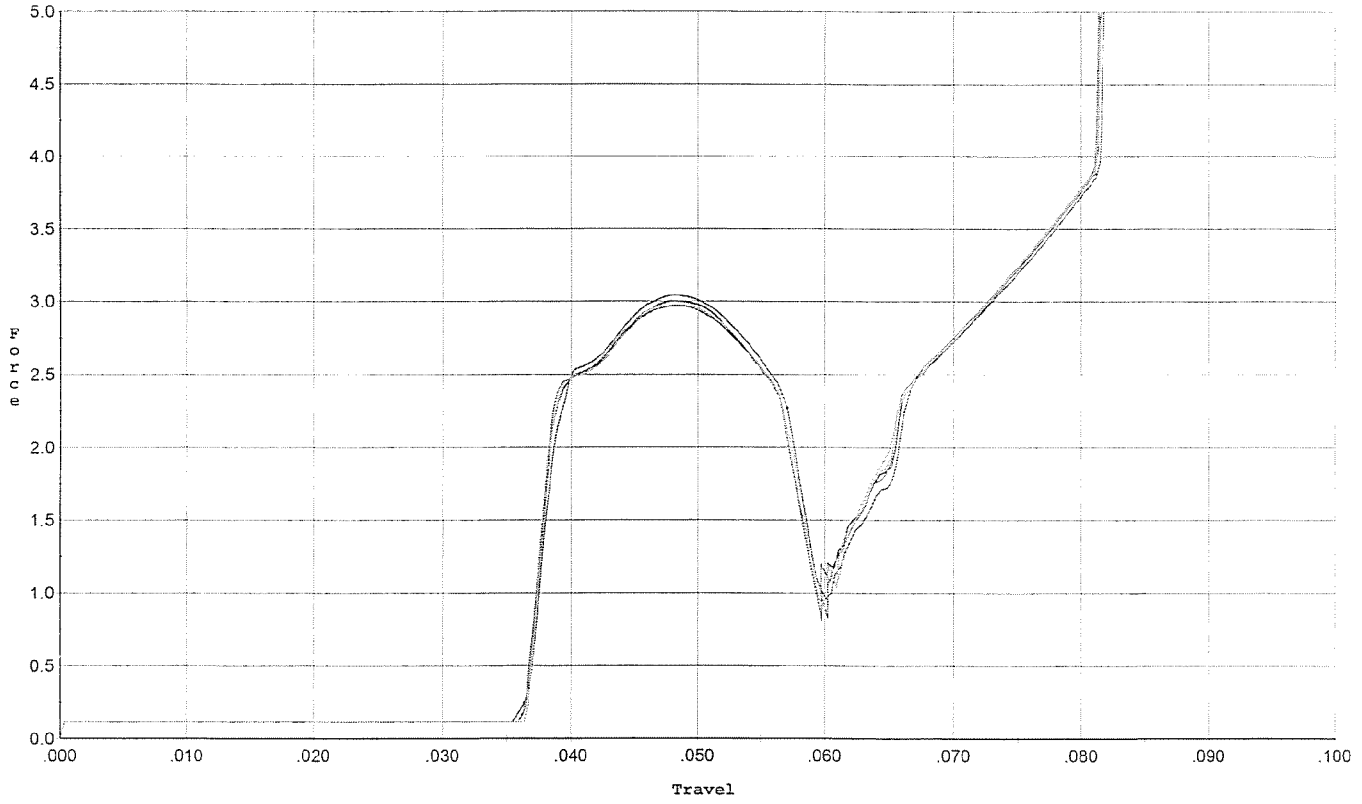
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.966	0.059	0.038	0.031	0.058		Set Trigger
2	2.978	0.058	0.037	0.031	0.056		Set Trigger
3	2.986	0.057	0.037	0.031	0.057		Set Trigger
4	2.999	0.057	0.038	0.031	0.057		Set Trigger
5	3.041	0.059	0.037	0.030	0.060		Set Trigger

Avg 2.99

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 4/17/2007 11:39:31 PM

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:	R. Putch 4/17/07		



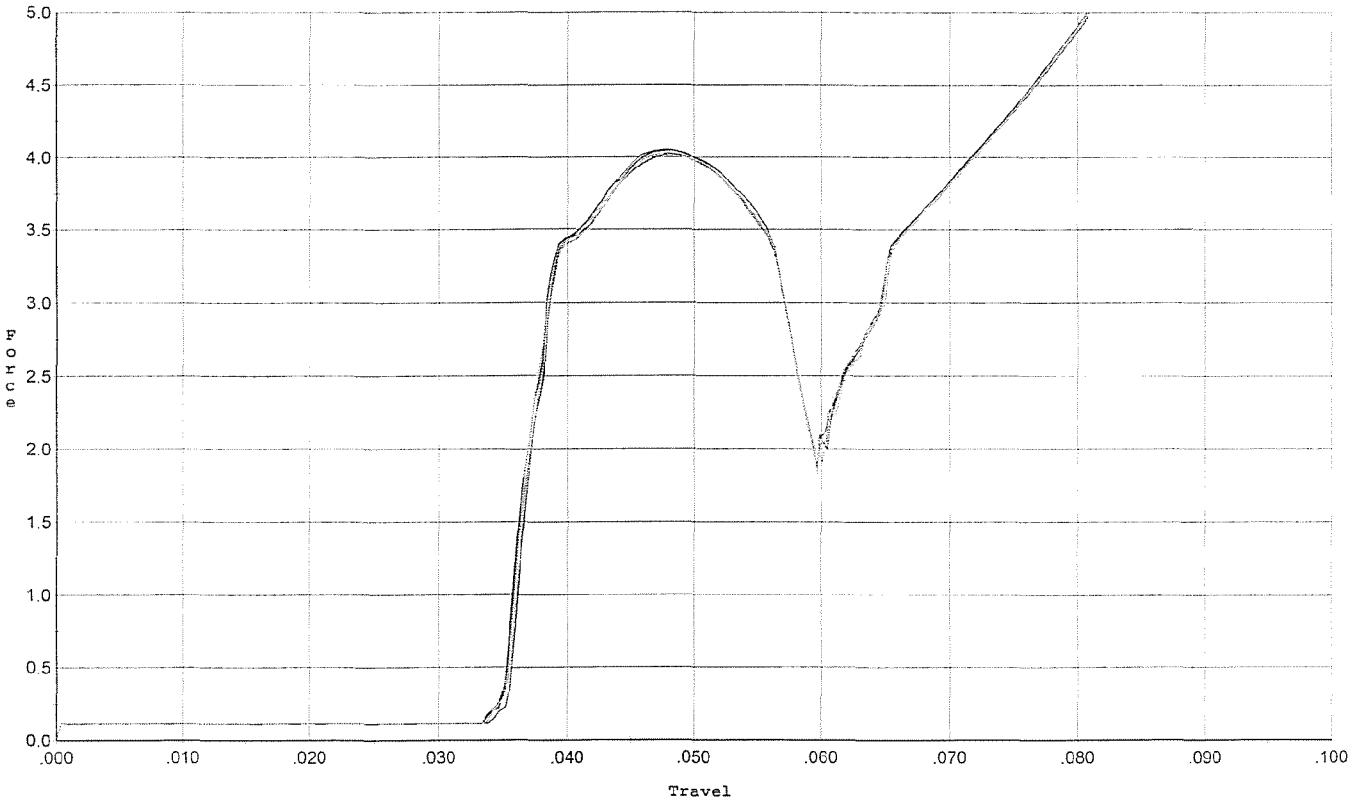
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.044	0.057	0.036	0.031	0.058		Set Trigger
2	3.001	0.056	0.036	0.031	0.057		Set Trigger
3	2.971	0.056	0.036	0.031	0.057		Set Trigger
4	2.972	0.058	0.037	0.030	0.058		Set Trigger
5	3.001	0.056	0.036	0.031	0.057		Set Trigger

AVG 2.99

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 4/17/2007 11:41:31 PM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	4.0 lbs. ini. +/- 1.0 lbs.
Note:	R. Putch 4/17/07		



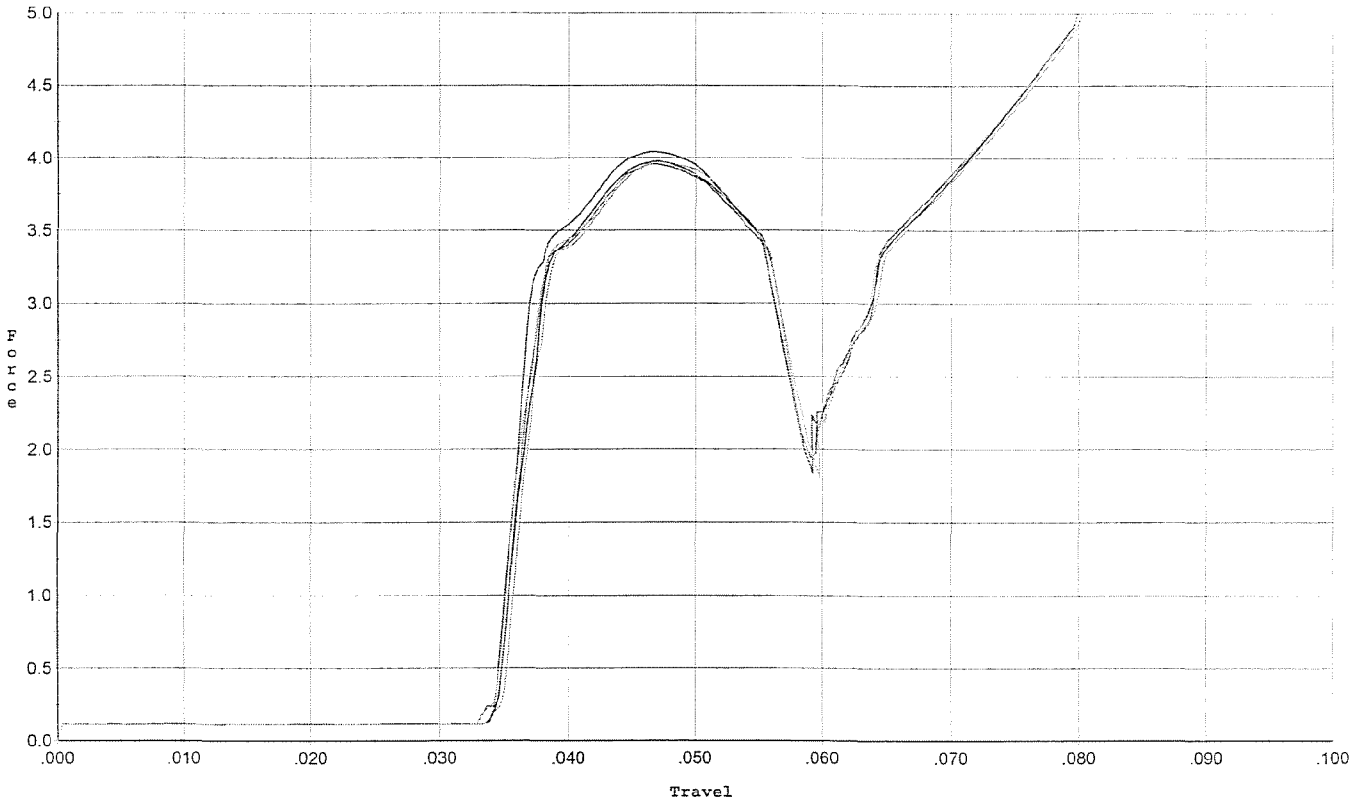
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.020	0.056	0.035	0.029	0.079		Set Trigger
2	4.045	0.056	0.035	0.029	0.080		Set Trigger
3	4.053	0.056	0.034	0.029	0.080		Set Trigger
4	4.023	0.056	0.034	0.029	0.080		Set Trigger
5	4.028	0.056	0.034	0.029	0.079		Set Trigger

AVG 4.03

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 4/17/2007 11:44:32 PM

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:	R. Putch 4/17/07		



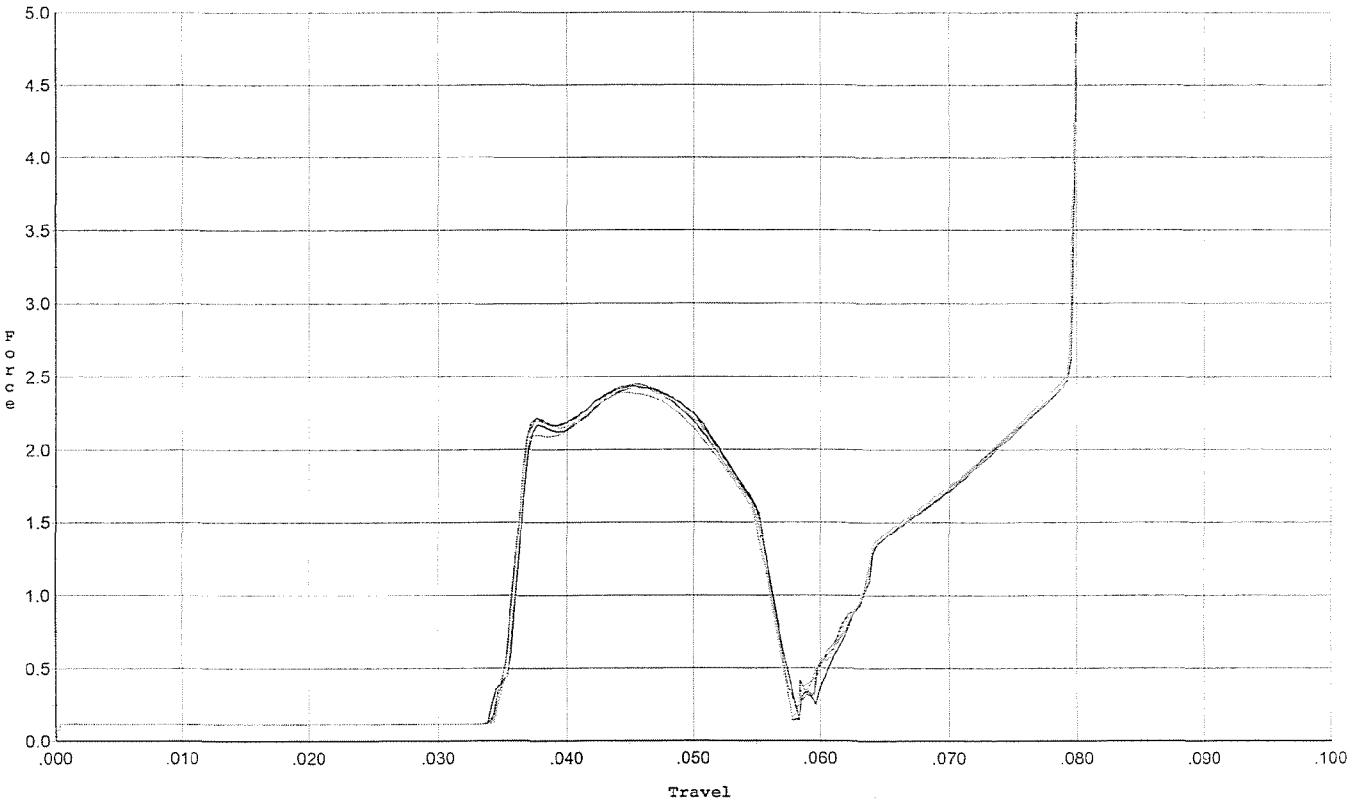
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.040	0.055	0.033	0.029	0.080		Set Trigger
2	3.979	0.056	0.034	0.028	0.079		Set Trigger
3	3.957	0.057	0.034	0.028	0.080		Set Trigger
4	3.969	0.056	0.034	0.029	0.078		Set Trigger
5	3.972	0.056	0.033	0.028	0.080		Set Trigger

Avg 398

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 4/17/2007 11:45:52 PM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	reset to 2.5 lbs. +/- .50 lbs. for final test
Note:	R. Putch 4/17/07		



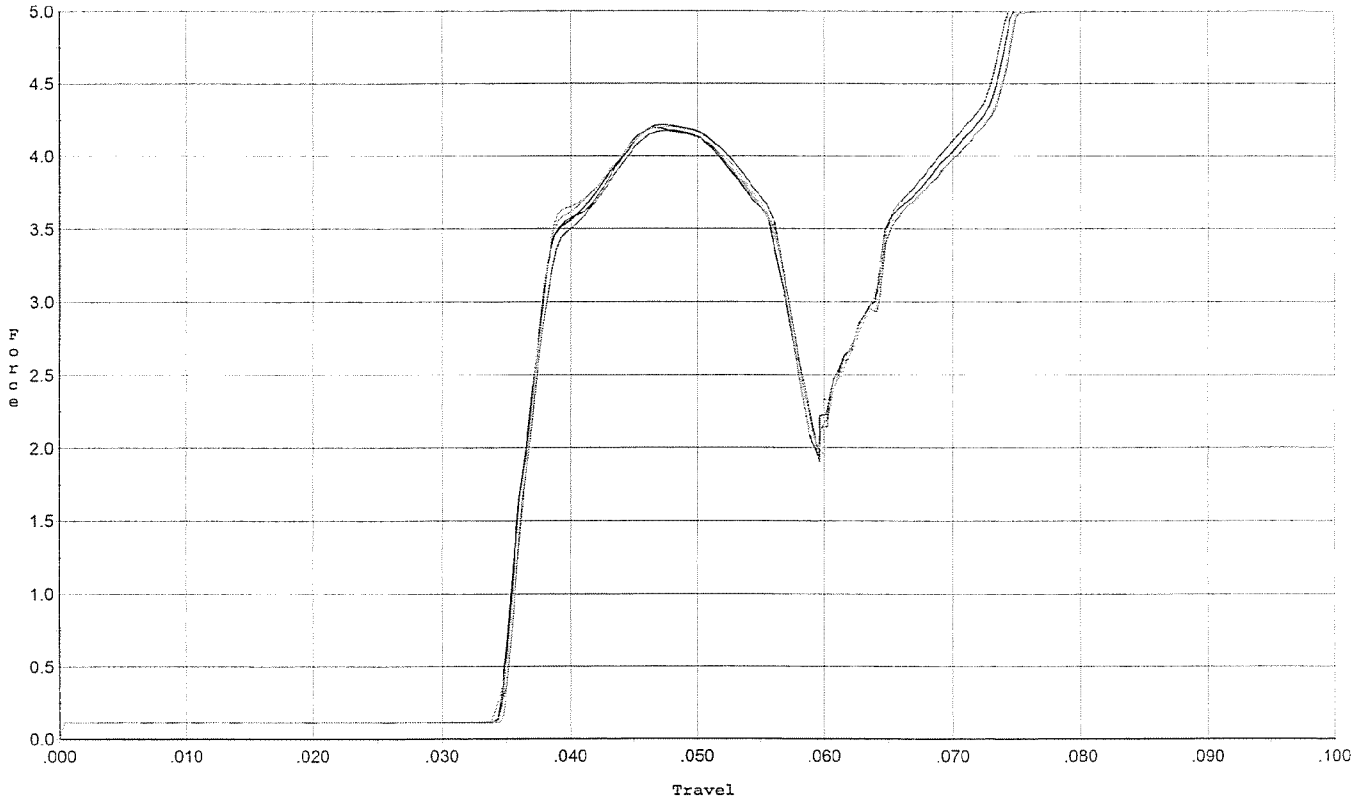
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.436	0.055	0.034	0.032	0.047		Set Trigger
2	2.425	0.055	0.034	0.032	0.046		Set Trigger
3	2.447	0.055	0.035	0.032	0.047		Set Trigger
4	2.420	0.055	0.035	0.032	0.046		Set Trigger
5	2.390	0.056	0.035	0.032	0.046		Set Trigger

AVG 2.42

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 4/17/2007 11:47:37 PM

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:	R. Putch 4/17/07		



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.214	0.056	0.035	0.024	0.083		Set Trigger
2	4.193	0.057	0.035	0.024	0.084		Set Trigger
3	4.173	0.056	0.035	0.024	0.082		Set Trigger
4	4.201	0.056	0.034	0.024	0.083		Set Trigger
5	4.210	0.056	0.035	0.024	0.083		Set Trigger

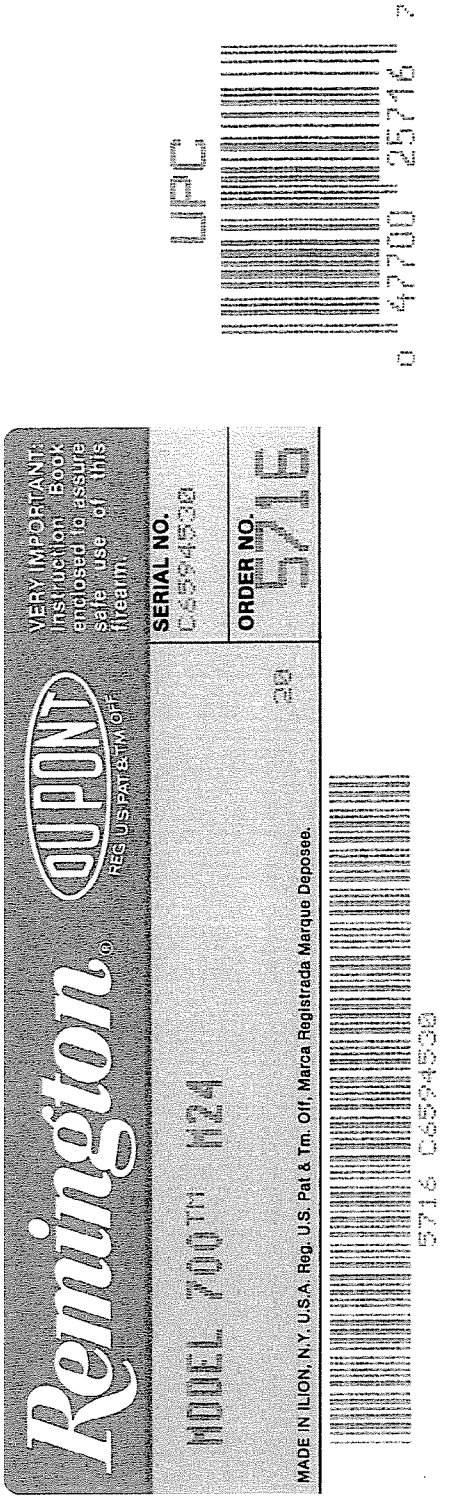
Avg 4.19

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 4/17/2007 11:49:35 PM

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

R & E NUMBER	127462
SERIAL NUMBER	CL6594530
LOG-IN DATE	3-30-07

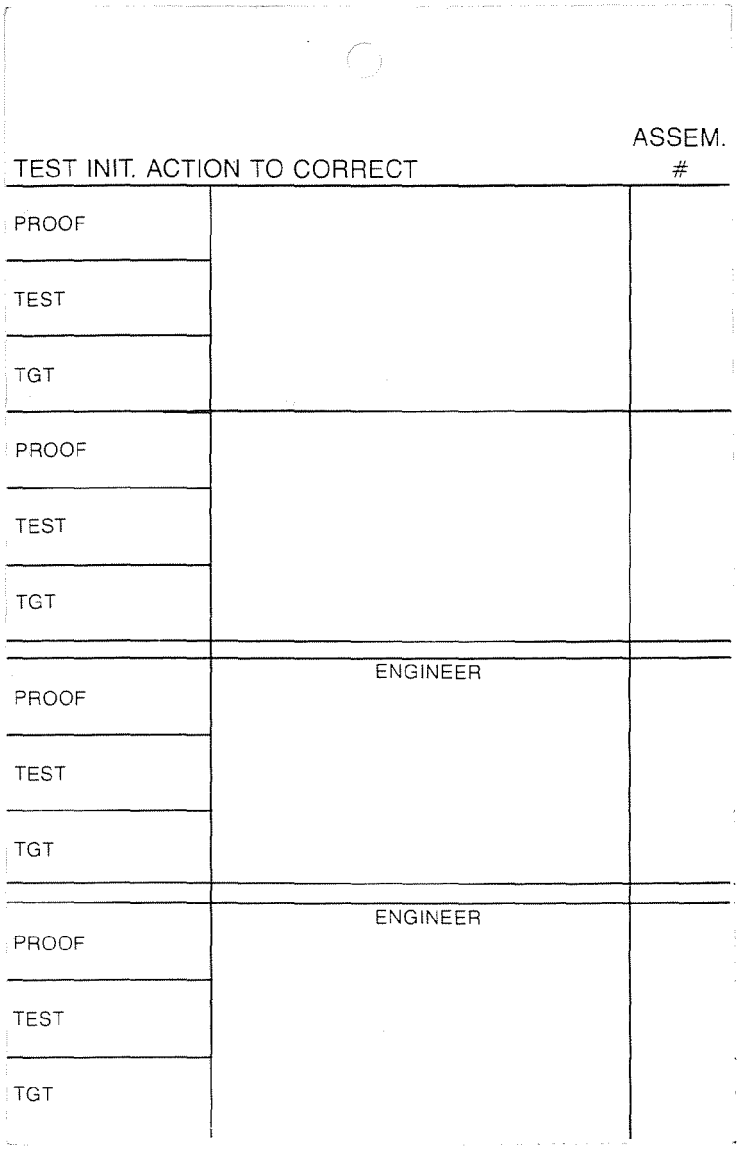
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		4-18-07	RTZ
505	RE-BARREL		4-20-07	RTZ
560	ASSEMBLE		4-19-07	TRW
600	PROOF		4-19-07	TRW
605	CHECK HEADSPACE		4-19-07	TRW
610	DIS-ASSEMBLE GUN		4-20-07	RTZ
612	MAGNAFLUX	MAGNA-FLUX APR 2 - 2007 OPERATOR	4/24/07	
510	DRILL AND TAP		4-24-07	TRW
615	ROLLMARK CALIBER		4-24-07	CW
618	ROTO-BLAST		4-24-07	CB
620	APPLY COATINGS		4/27/07	W
625	FINAL ASSEMBLY		5-1-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	5-8-07	TRW
650	TARGET	(PASS) FAIL	5-8-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	5-8-07	CMS
670	FINAL INSPECTION		5-14-07	RTZ
	A) HEADSPACE	PASS FAIL	5-14-07	RTZ
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.54 2.55 2.57 2.58 2.59	5-9-07	TRW
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	6.75 6.5 6.5	5-9-07	TRW
	G) SAFETY OFF FORCE (2 LBS MIN)	3.0 2.5 2.5	5-9-07	TRW
	I) FIRING PIN INDENT (.020)	.022⁵ .022 .022⁵	5-9-07	TRW
690	PACK		5-14-07	RTZ


Remington
DUPONT
REG. U.S. PAT. & T.M. OFF.
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.
SERIAL NO.
C594530
ORDER NO.
716
MODEL 700TH M24
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off., Marca Registrada Marque Deposee.
5716 C594530
0 47700 25716 7
UPC

MOD. _____ GA. CAL. _____ GUN # C6594530

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st 1/23/91	Shaper broke and don't eject and Bolt Rel	KS
	2nd 1/24/91	NEW EXTRACTOR POLISHED EJECTOR ADJUSTED BOLT REL. BENCH TEST OK	KS
	3rd	100 Rd. test OK A.C. 1-29-91	
	4th		

FUNCTION RD 6654 Rev 1


TEST INIT. ACTION TO CORRECT
ASSEM. #
PROOF
TEST
TGT
PROOF
TEST
TGT
ENGINEER
PROOF
TEST
TGT
ENGINEER
PROOF
TEST
TGT

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594530

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/31/90	KH
600	Proof		10/31/90	KH
607	Check Headspace		10/31/90	KH
610	Dis-assemble Gun		10/31/90	KH
612	Magnaflux Barrel Action		11/1/90	KCR
	Magnaflux Bolt		11/1/90	KCR
615	Rollmark Caliber		11/1/90	EB
617	Drill and Tap Sight Holes		11/6/90	KB
618	Polish Barrel KB		11/7/90	WB
620	Apply Coatings (Barrel Action)		11-20-90	DH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/18/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/18/91	KS
	C) Inspect Ejector Hole for Chamfer		1/18/91	KS
	D) Oil Firing Pin Ass'y		1/18/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1-21-91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4½	4½	4½			1/21/91	WB
	G) Safety Off Force	2	2	2			1/21/91	WB
	H) Trigger Pull Test & Retainability						1-21-91	
	I) Firing Pin Indent	.021	.020	.0205			1/21/91	WB
	J) Assemble Stock						1/23/91	KS
	K) Assemble Swivel Studs						2-4-91	
	L) Attach Front and Rear Sight Assemblies						1/23/91	KS
	M) Iron Sight Alignment						1/23/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/23/91	KS
	O) Attach Scope to Rifle						1/23/91	KS
	P) Detach & Attach Scope 20 Times						1/23/91	KS
640	Gallery Target & Test						1-23-91	AC
	A) Time						1-23-91	AC
	B) Malfunctions						1-23-91	AC
	C) Pierced Primers						1-23-91	AC
	D) Optical Clearity of Scope						1-23-91	AC
645	Inspect for Live Ammo						1-23-91	AC
655	Final Inspection A) Headspace						2-4-91	
	B) Trigger Pull	2.18	2.19	2.49	2.49	2.46	2-1-91	
	C) Function						2-4-91	AC
660	Pack						3-19-91	

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594530

DATE 1-21-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.29	2.26	2.18	MIN. SETTING,
PULL #2	2.33	2.25	2.28	2.19	NO AVG. OF 5
PULL #3	2.25	2.27	2.30	2.49	READINGS ACCEPT-
PULL #4	2.31	2.24	2.25	2.49	ABLE LESS THAN 2#
PULL #5	2.30	2.22	2.23	2.46	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.28		
PULL #2	3.33	3.29		
PULL #3	3.29	3.27		
PULL #4	3.27	3.28		
PULL #5	3.31	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.24		4.24
PULL #2	4.22	4.19		4.26
PULL #3	4.26	4.21		4.23
PULL #4	4.26	4.23		4.28
PULL #5	4.22	4.23		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594530
24 Jan 1991

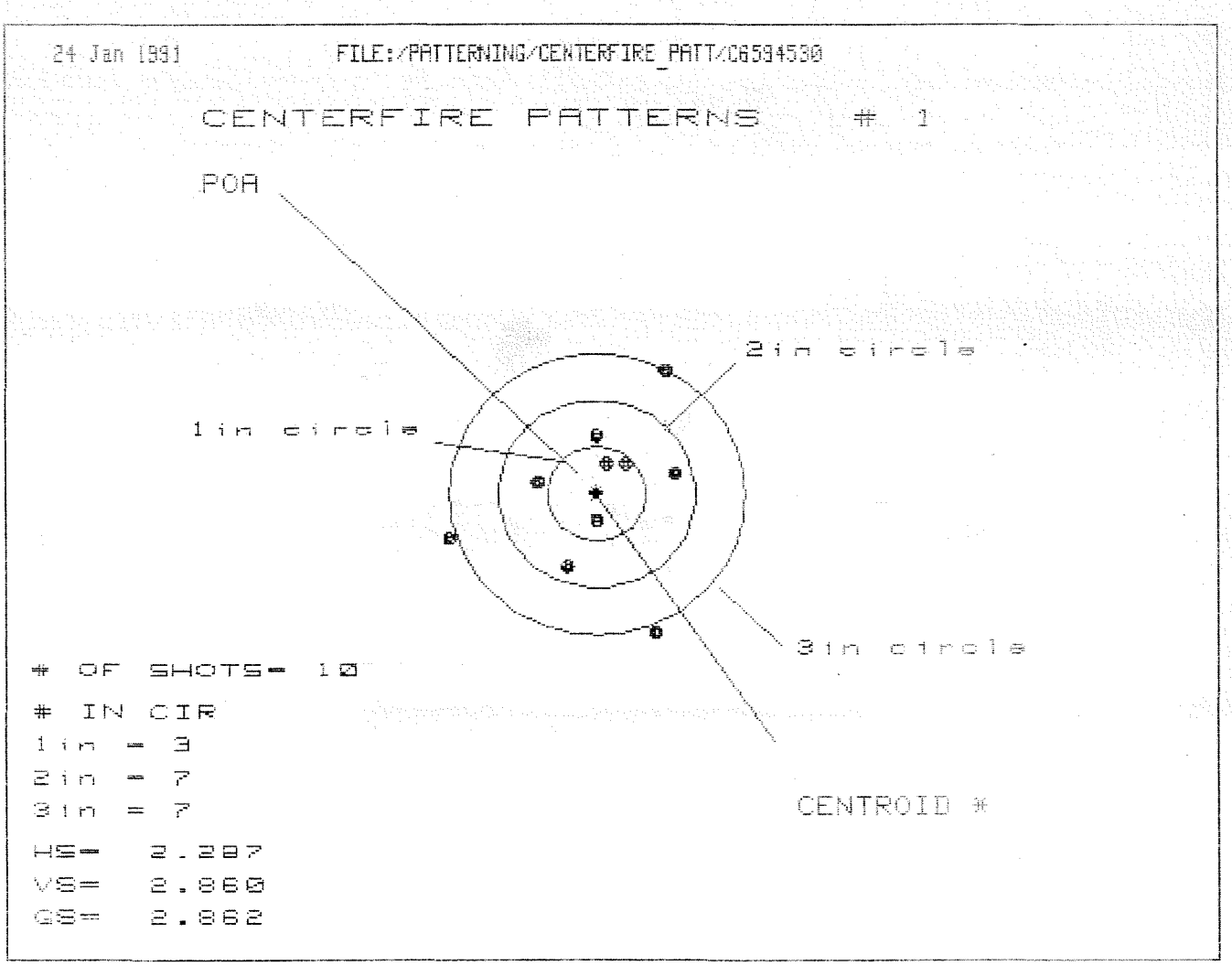
CENTROIDAL DISTANCES

0	TO	1	.0251794
1	TO	2	.105361
1	TO	3	.178393
1	TO	4	.154842
1	TO	5	.359089

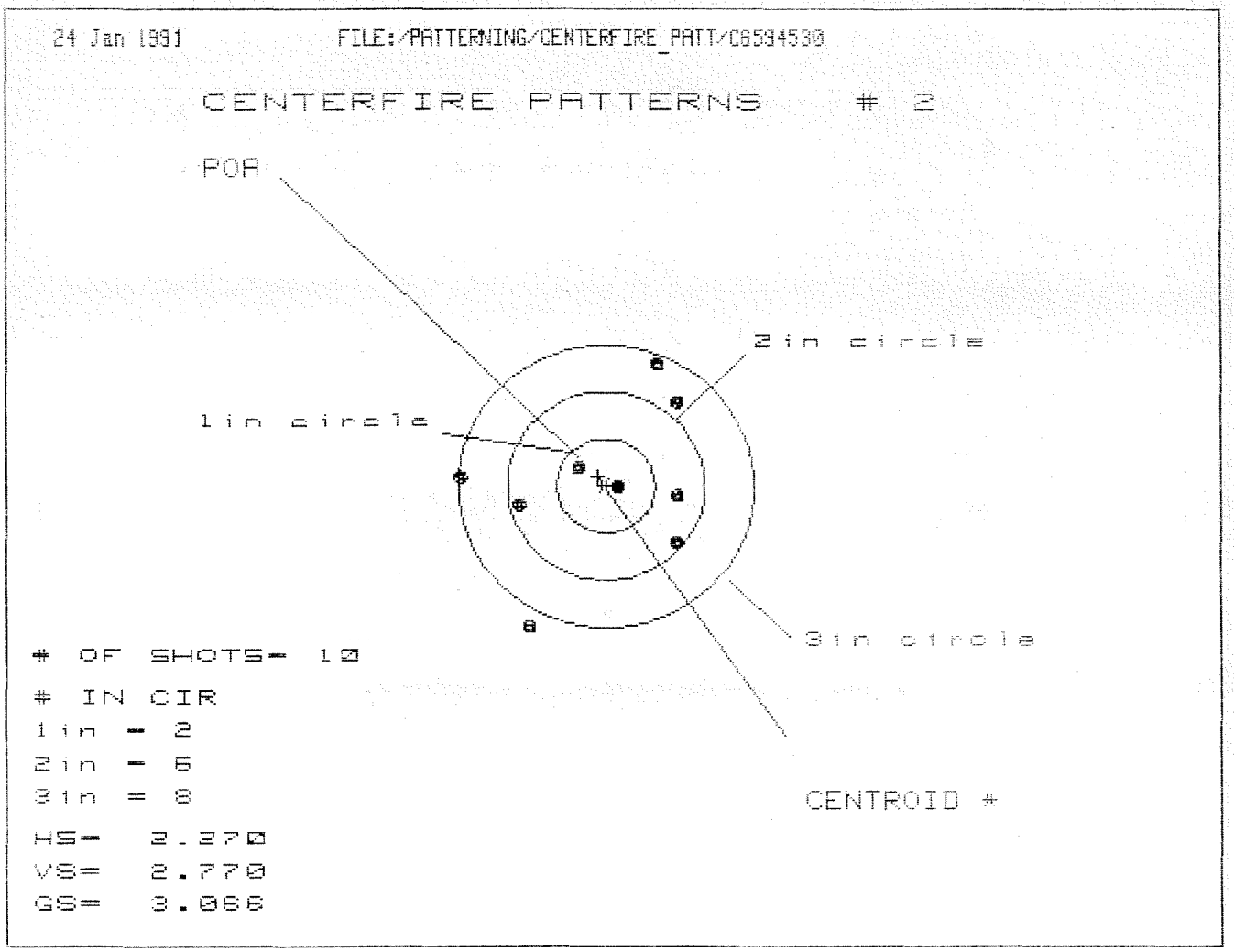
5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1384
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0252
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .140676

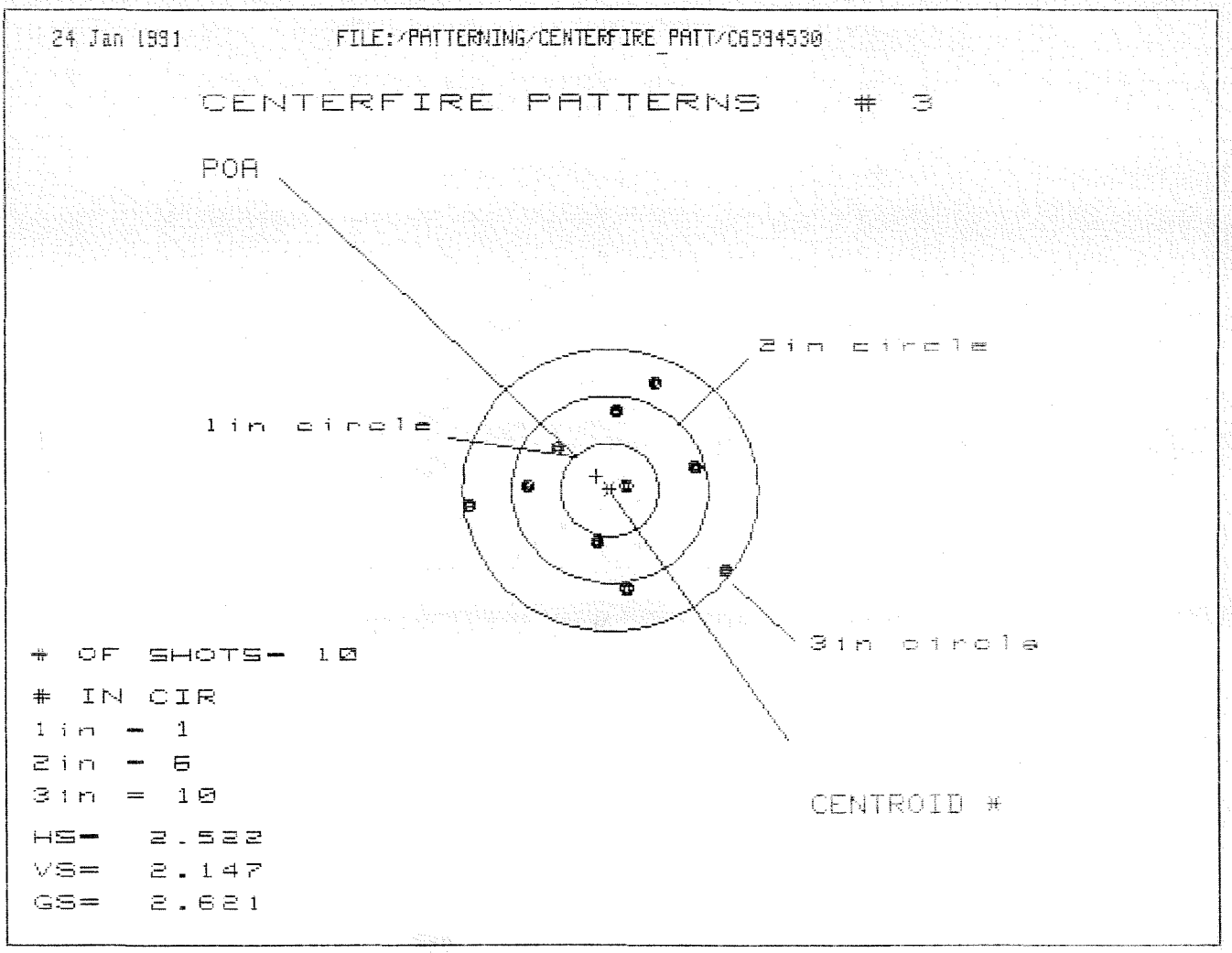
THE AMR FOR THIS RIFLE IS: .9596



PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.796	.858	.679
MINIMUM X	:	-1.491	-1.429	-.759
MAXIMUM Y	:	1.371	1.205	1.127
MINIMUM Y	:	-1.489	-.933	-1.011
CENTROID X	:	.003	-.059	.120
CENTROID Y	:	-.025	.141	.219
POA TO CENTROID in.	:	.025	.153	.250
MIN RADIUS	:	.310	.264	.122
MEAN RADIUS	:	.879	.782	.645
MAX RADIUS	:	1.590	1.561	1.248
HORIZONTAL SPREAD	:	2.287	2.287	1.438
VERTICAL SPREAD	:	2.860	2.138	2.138
EXTREME SPREAD	:	2.862	2.822	2.349
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	



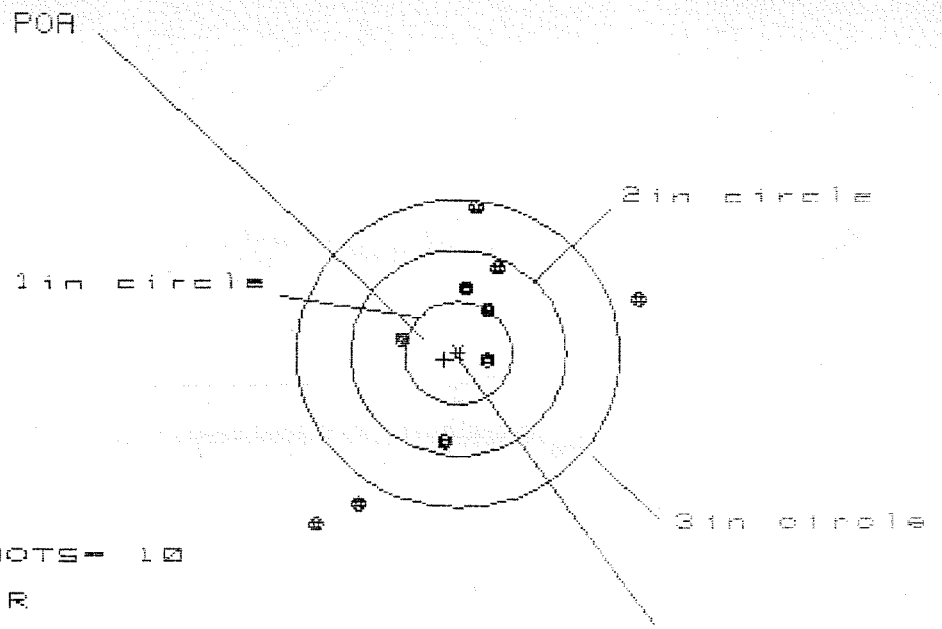
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.753	.666	.466
MINIMUM X	:	-1.517	-1.604	-1.211
MAXIMUM Y	:	1.277	1.112	1.108
MINIMUM Y	:	-1.493	-.745	-.749
CENTROID X	:	.078	.165	.365
CENTROID Y	:	-.099	.066	.070
POA TO CENTROID in.	:	.126	.178	.372
MIN RADIUS	:	.132	.160	.221
MEAN RADIUS	:	.955	.861	.743
MAX RADIUS	:	1.684	1.604	1.280
HORIZONTAL SPREAD	:	2.270	2.270	1.677
VERTICAL SPREAD	:	2.770	1.857	1.857
EXTREME SPREAD	:	3.066	2.364	2.108
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.137	1.033	.876
MINIMUM X	:	-1.385	-1.259	-.878
MAXIMUM Y	:	1.100	1.001	.966
MINIMUM Y	:	-1.047	-1.146	-1.181
CENTROID X	:	.135	.009	.166
CENTROID Y	:	-.145	-.046	-.011
POA TO CENTROID in.	:	.198	.047	.166
MIN RADIUS	:	.151	.281	.152
MEAN RADIUS	:	.915	.848	.779
MAX RADIUS	:	1.445	1.289	1.185
HORIZONTAL SPREAD	:	2.522	2.292	1.754
VERTICAL SPREAD	:	2.147	2.147	2.147
EXTREME SPREAD	:	2.621	2.329	2.179
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

24 Jan 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6594530

CENTERFIRE PATTERNS # 4

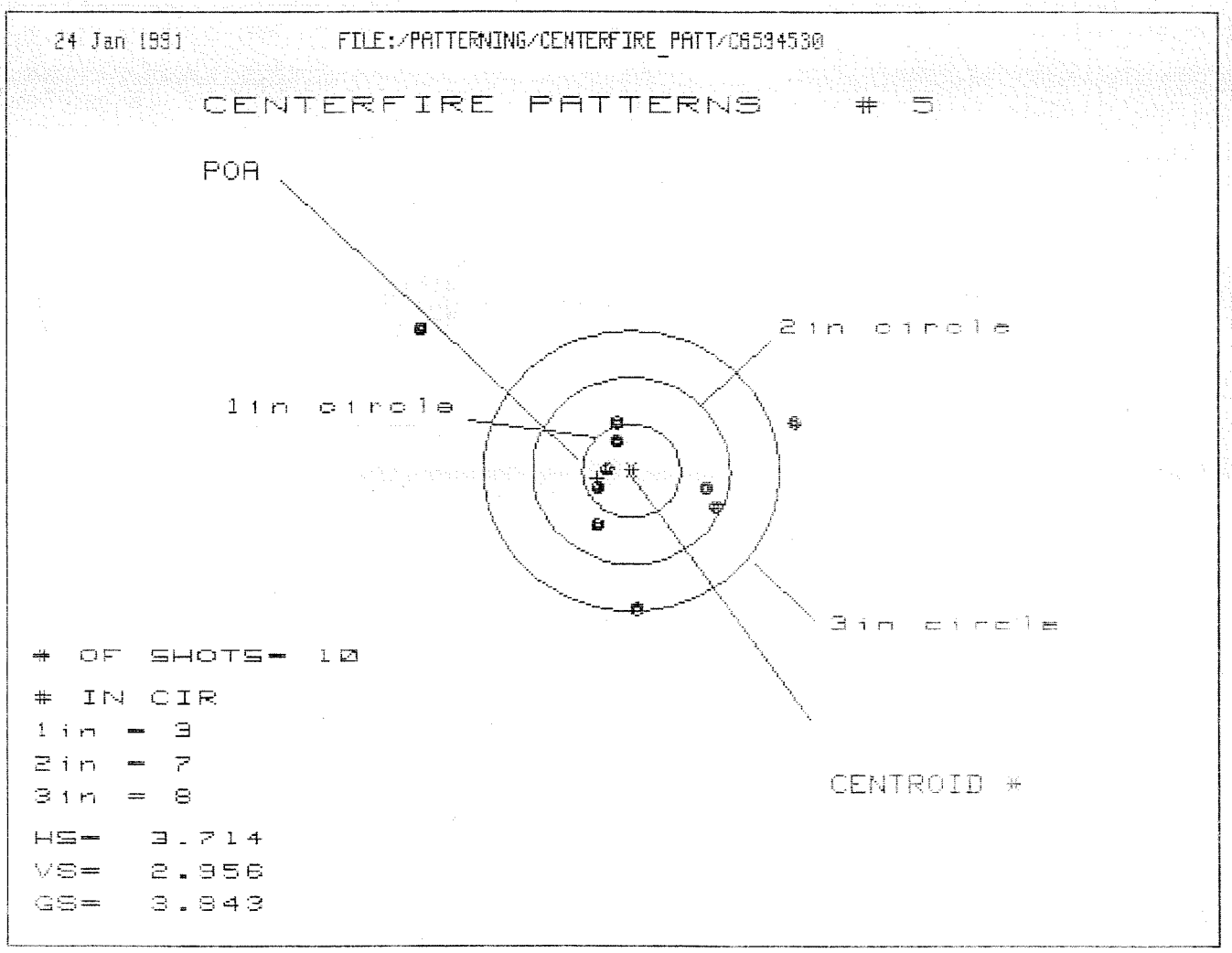


OF SHOTS= 10

# IN CIR	
1in	1
2in	6
3in	7

HS= 3.021
VS= 3.131
GS= 3.785

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.680	1.531	.436
MINIMUM X	:	-1.341	-1.062	-.871
MAXIMUM Y	:	1.418	1.228	1.275
MINIMUM Y	:	-1.713	-1.628	-1.581
CENTROID X	:	.129	.278	.087
CENTROID Y	:	.065	.255	.208
POA TO CENTROID in.	:	.145	.378	.225
MIN RADIUS	:	.282	.257	.367
MEAN RADIUS	:	1.088	.912	.842
MAX RADIUS	:	2.176	1.944	1.805
HORIZONTAL SPREAD	:	3.021	2.593	1.307
VERTICAL SPREAD	:	3.131	2.856	2.856
EXTREME SPREAD	:	3.785	3.278	3.072
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.607	1.373	.779
MINIMUM X	:	-2.107	-.630	-.458
MAXIMUM Y	:	1.475	.694	.776
MINIMUM Y	:	-1.481	-1.318	-1.236
CENTROID X	:	.347	.581	.409
CENTROID Y	:	.078	-.085	-.167
POA TO CENTROID in.	:	.355	.587	.442
MIN RADIUS	:	.209	.472	.365
MEAN RADIUS	:	.961	.797	.681
MAX RADIUS	:	2.571	1.520	1.236
HORIZONTAL SPREAD	:	3.714	2.003	1.237
VERTICAL SPREAD	:	2.956	2.012	2.012

EXTREME SPREAD :	3.843	2.487	2.021
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	0		