

C6587738

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington.

Repair Inquiry

Repair Number: RE00136229

Serial: C6527738 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 11/2/2007 10:16:25 AM

C6587738

Address Information

Customer:

Received From

Return To:

Received From

Name: BARRY MOBERLY

BARRY MOBERLY

Address 1: L-3 COMMUNICATIONS

L-3 COMMUNICATIONS

Address 2: 5749 BRIAR HILL RD BLDG 221 PO Box:

5749 BRIAR HILL RD BLDG 221 PO Box:

City: LEXINGTON

LEXINGTON

State: KY Zip Code: 40516

Country: US

State: KY Zip Code: 40516

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	3
A010	Hard Case	1
A026	Scope	1
A055	Deployment Kit	1
D000	SCOPE CASE	1

Repair Search

Refresh

Close

nagletj

11/2/2007

1:12 PM

CAPS

NUM

INS

SCRL

start

2 Mi...

5 Int...

4 Mi...

Part S...

longo...

Arms ...

1:12 PM

Serial Number:

C6587738

Model: M24 SWS



RE00136229

R & E NUMBER	136229		
SERIAL NUMBER	C6587738		
LOG-IN DATE	11-2-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-8-08	RTZ
505	RE-BARREL	7-9-08	RTZ
420	ASSEMBLE	7-10-08	RTZ
440	PROOF	7-10-08	SD
460	CHECK HEADSPACE	7-10-08	SD
470	DIS-ASSEMBLE GUN	7-11-08	RTZ
480	MAGNAFLUX	7-11-08	(RTZ)
510	DRILL AND TAP	7-11-08	SP
500	ROLLMARK CALIBER	7-15-08	RT
520	GOFF BLAST BBL / REC	7-17	C
530 & 540	APPLY COATINGS	7-22-08	RTZ
560	FINAL ASSEMBLY	7-22-08	TL
640	FUNCTION TEST AND	PASS FAIL 9-2-08	SPD
650	TARGET	PASS FAIL 9-2-08	SPD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-2-08	TL
	A) HEADSPACE	PASS FAIL 9-10-08	RTZ
	B) TRIGGER PULL	2.46 2.46 2.48 2.45 2.47 9-8-08	BSu
680	F) SAFETY ON FORCE	6.25 6.25 6.25 9-8-08	RTZ
	G) SAFETY OFF FORCE	3.0 3.0 3.0 9-8-08	RTZ
	I) FIRING PIN INDENT	.024 .024 .024 9-8-08	RTZ
690	PACK	9-11-08	TL

F006 REV 5/2006

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587738.___0
FILE DATE AND TIME: 09/03/2008 10:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.083
The Average Y Centroid of the Five Target Set:	-0.010
The Average Point of Impact of the Five Target Set:	0.083
The Average Mean Radius of the Five Target Set:	0.545
The Distance from POA to Centroid Target #1:	0.207
The Distance from Centroid Target #2 to Centroid Target #1:	0.341
The Distance from Centroid Target #3 to Centroid Target #1:	0.221
The Distance from Centroid Target #4 to Centroid Target #1:	0.352
The Distance from Centroid Target #5 to Centroid Target #1:	0.408

SERIAL NUMBER: C6587738. __0

TARGET NUMBER: 1

FILE DATE: 09/03/2008

FILE TIME: 10:54

X CENTROID: -0.029

Y CENTROID: -0.205

POA TO CENTROID: 0.207

HORZ SPREAD: 2.118

VERT SPREAD: 1.884

GROUP SPREAD: 2.232

MIN RADIUS: 0.177

MAX RADIUS: 1.317

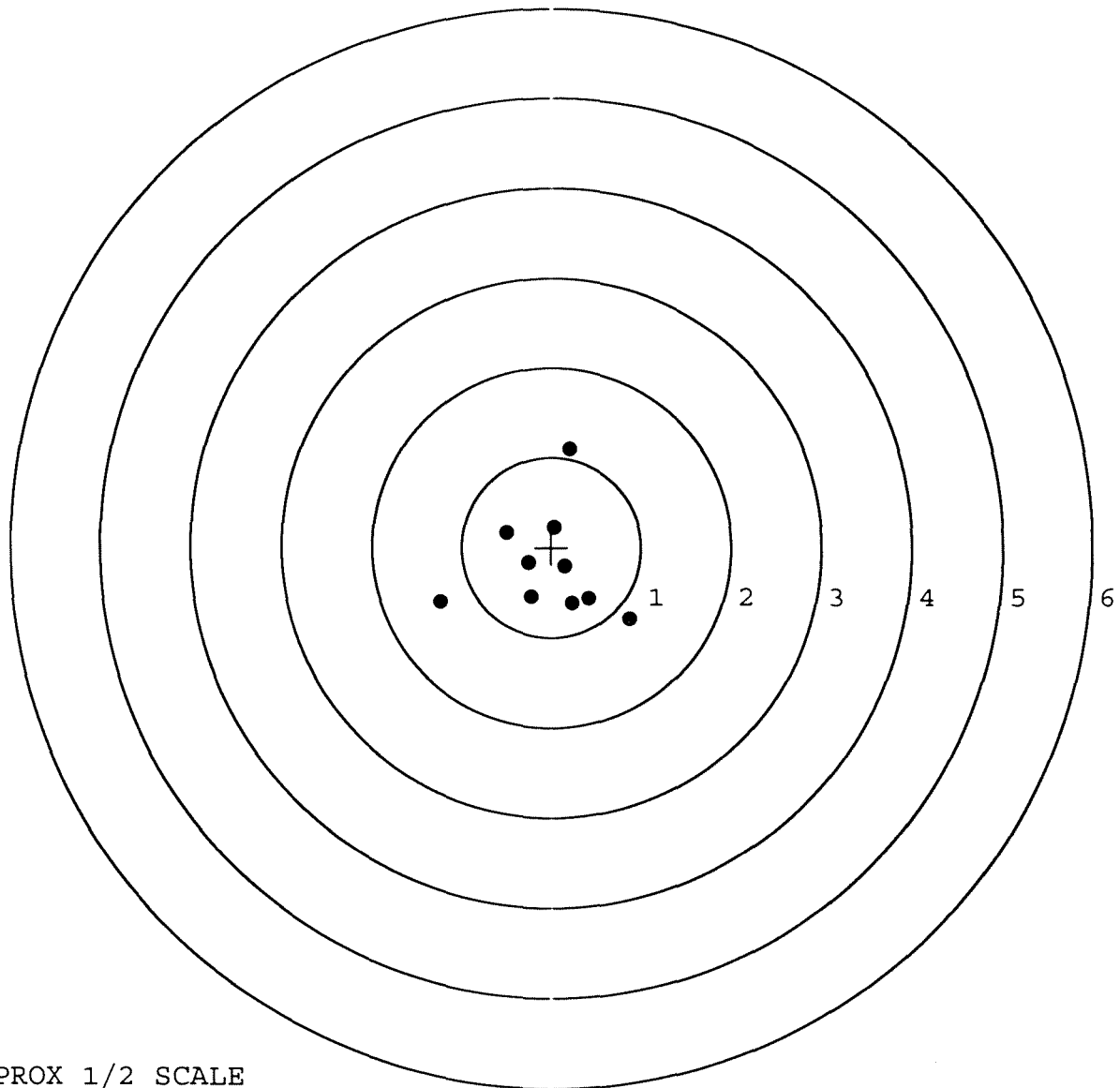
MEAN RADIUS: 0.658

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.879	-0.794
2:	0.414	-0.570
3:	0.237	-0.625
4:	-0.228	-0.551
5:	0.148	-0.207
6:	-0.257	-0.173
7:	-1.239	-0.607
8:	-0.496	0.164
9:	0.211	1.090
10:	0.040	0.226



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587738. __0

TARGET NUMBER: 2

FILE DATE: 09/03/2008

FILE TIME: 10:54

POINT#	X	Y
1:	0.421	-0.433
2:	0.360	-0.148
3:	-0.240	-0.695
4:	-0.193	-0.525
5:	-0.316	-0.054
6:	-0.168	0.259
7:	0.026	0.611
8:	-0.137	0.960
9:	-0.302	0.998
10:	-1.054	0.130

X CENTROID: -0.160

Y CENTROID: 0.110

POA TO CENTROID: 0.195

HORZ SPREAD: 1.475

VERT SPREAD: 1.693

GROUP SPREAD: 1.694

MIN RADIUS: 0.149

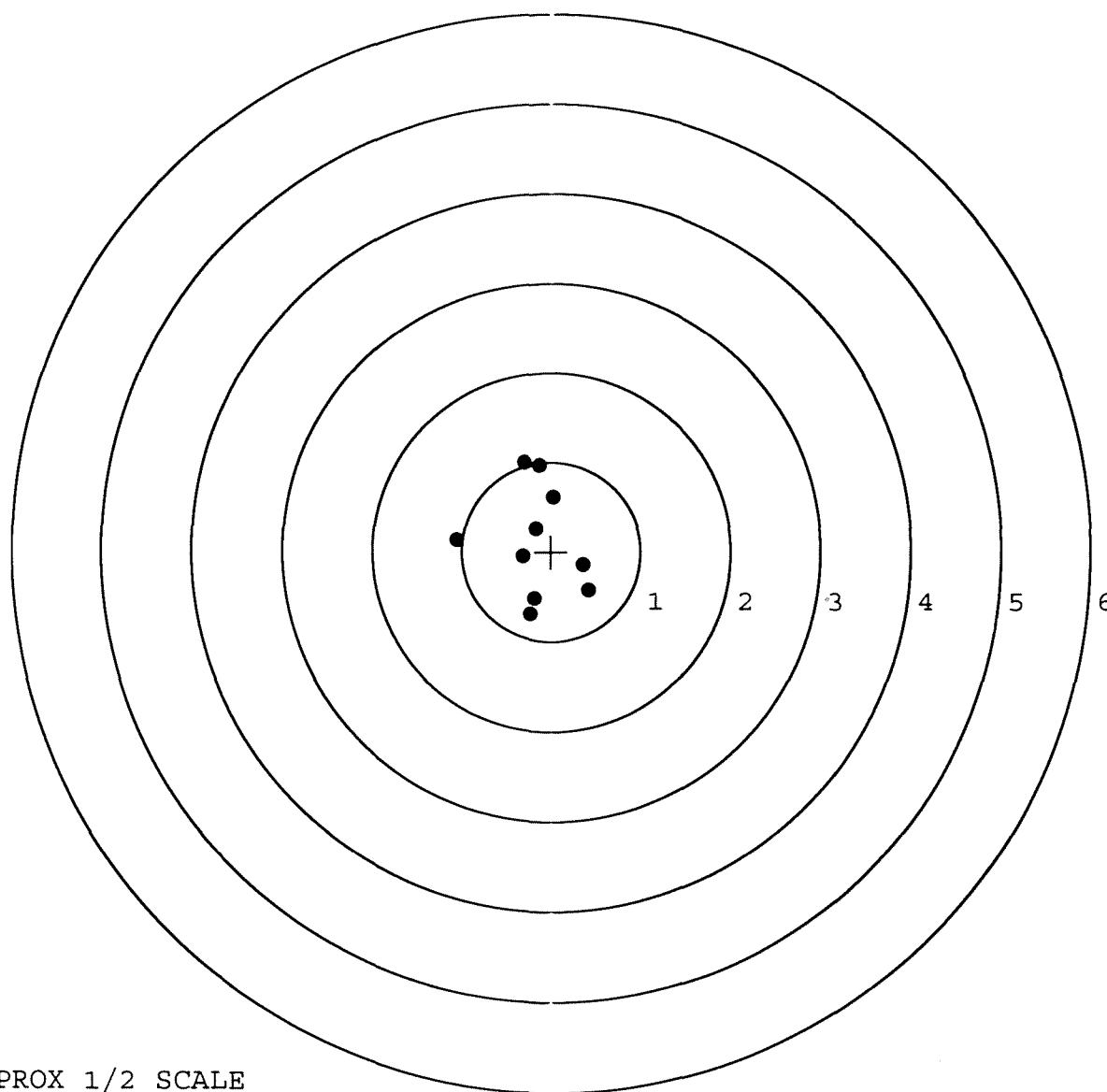
MAX RADIUS: 0.899

MEAN RADIUS: 0.637

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587738. __0

TARGET NUMBER: 3

FILE DATE: 09/03/2008

FILE TIME: 10:54

X CENTROID: 0.165

Y CENTROID: -0.098

POA TO CENTROID: 0.191

HORZ SPREAD: 1.296

VERT SPREAD: 1.271

GROUP SPREAD: 1.412

MIN RADIUS: 0.294

MAX RADIUS: 0.897

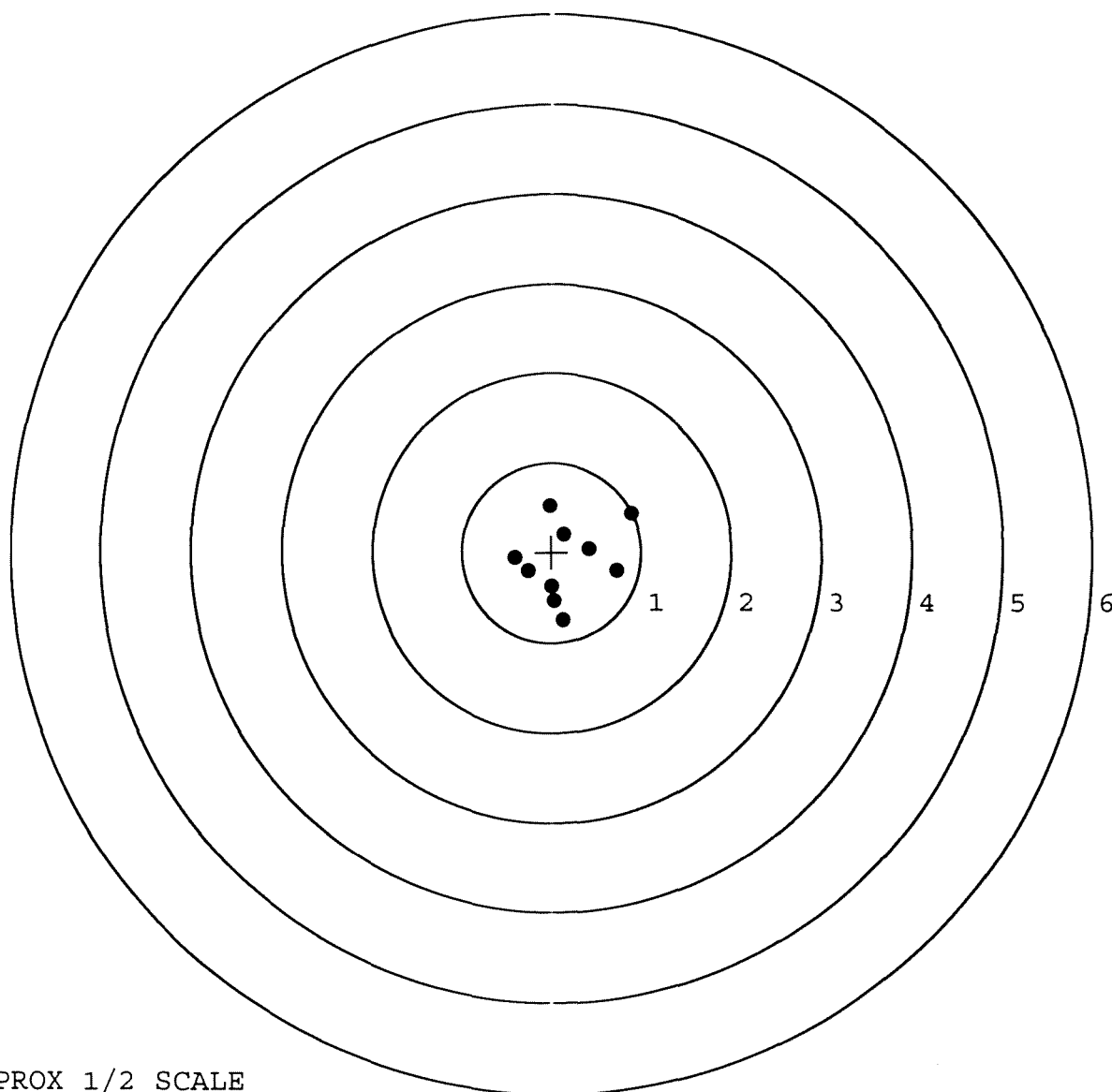
MEAN RADIUS: 0.518

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.129	-0.757
2:	0.030	-0.544
3:	-0.001	-0.386
4:	-0.262	-0.212
5:	-0.409	-0.065
6:	-0.023	0.514
7:	0.143	0.200
8:	0.422	0.045
9:	0.730	-0.205
10:	0.887	0.434

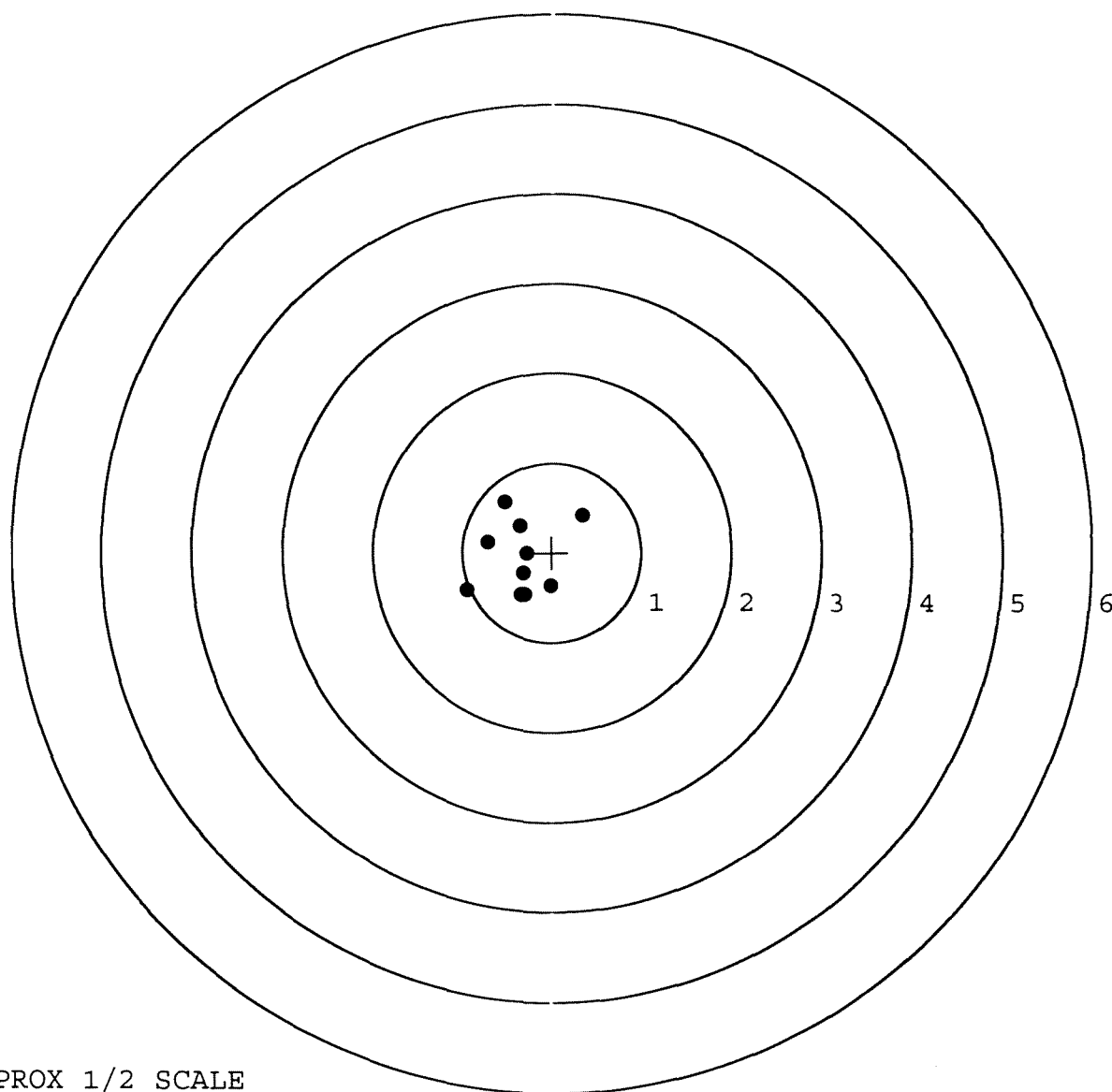


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587738. __ 0
 TARGET NUMBER: 4
 FILE DATE: 09/03/2008
 FILE TIME: 10:54

X CENTROID: -0.350
 Y CENTROID: -0.060
 POA TO CENTROID: 0.355
 HORZ SPREAD: 1.289
 VERT SPREAD: 1.040
 GROUP SPREAD: 1.536
 MIN RADIUS: 0.082
 MAX RADIUS: 0.838
 MEAN RADIUS: 0.450
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.015	-0.376
2:	-0.351	-0.477
3:	-0.322	-0.230
4:	-0.285	-0.010
5:	-0.366	0.297
6:	-0.719	0.115
7:	-0.948	-0.421
8:	0.341	0.414
9:	-0.530	0.563
10:	-0.307	-0.477



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587738. __0

TARGET NUMBER: 5

FILE DATE: 09/03/2008

FILE TIME: 10:54

X CENTROID: -0.039

Y CENTROID: 0.204

POA TO CENTROID: 0.207

HORZ SPREAD: 1.192

VERT SPREAD: 1.038

GROUP SPREAD: 1.274

MIN RADIUS: 0.048

MAX RADIUS: 0.717

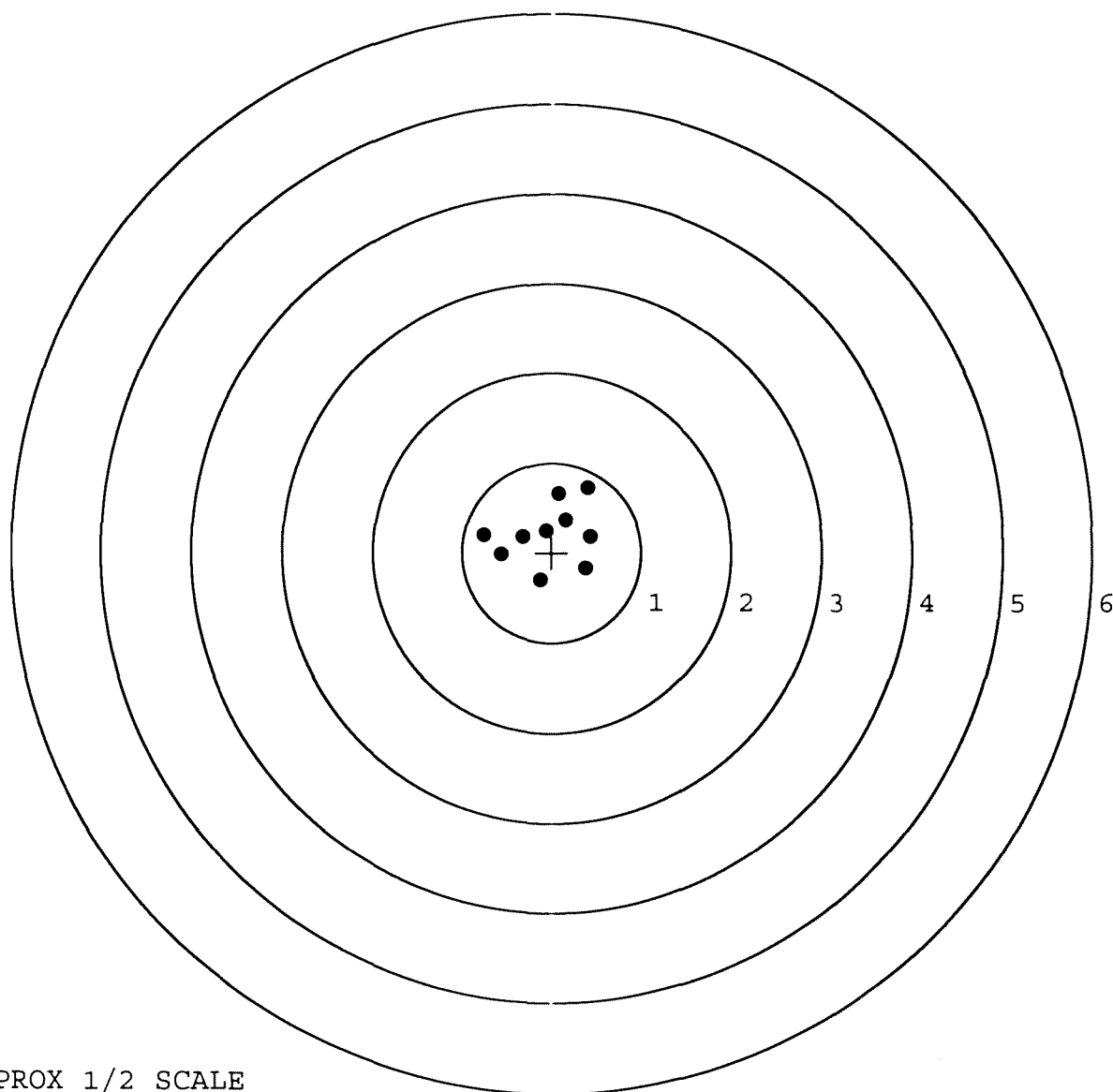
MEAN RADIUS: 0.460

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.380	-0.179
2:	0.436	0.186
3:	-0.133	-0.313
4:	-0.325	0.174
5:	-0.564	-0.023
6:	-0.756	0.197
7:	0.075	0.659
8:	0.403	0.725
9:	0.158	0.365
10:	-0.064	0.244



TARGET APPROX 1/2 SCALE

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

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

20

SERIAL NO.
C6587738

ORDER NO.
5716

5716 C6587738

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

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587738

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1023	90	RW
600	Proof	1023	90	RW
607	Check Headspace	1023	90	RW
610	Dis-assemble Gun	1023	90	RW
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		10/24/90	KR
615	Rollmark Caliber		10/24/90	BL
617	Drill and Tap Sight Holes		10/25/90	FB
618	Polish Barrel RB		10/26/90	WB
620	Apply Coatings (Barrel Action)		7-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/17/90	WB

Op. #	DESCRIPTION	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/16/90	WB
	G) Safety Off Force	2	2	2			11/16/90	WB
	H) Trigger Pull Test & Retainability						11/17/90	WB
	I) Firing Pin Indent	.022	.022	.022			11/16/90	WB
	J) Assemble Stock						12/4/90	RW
	K) Assemble Swivel Studs						12-6-90	QD
	L) Attach Front and Rear Sight Assemblies						12/4/90	RW
	M) Iron Sight Alignment						12/4/90	RW
	N) Detach Front & Rear Sights & place in numbered container						12/4/90	RW
	O) Attach Scope to Rifle						12/4/90	RW
	P) Detach & Attach Scope 20 Times						12/4/90	RW
640	Gallery Target & Test						12/4/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						12/4/90	NF
655	Final Inspection							
	A) Headspace						12-6-90	QD
	B) Trigger Pull	270	269	273	265	276	12-6-90	QD
	C) Function						12-6-90	QD
660	Pack						12/14/90	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587738

DATE 11/17/90

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.52	2.55	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.53	2.56	2.69	
PULL #3	2.55	2.55	2.54	2.73	
PULL #4	2.54	2.48	2.48	2.65	
PULL #5	2.50	2.50	2.51	2.76	
TOTAL	12.70	12.58	12.64		
AVG.	2.54	2.51	2.53		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.30		
PULL #2	3.20	3.35		
PULL #3	3.21	3.15		
PULL #4	3.27	3.15		
PULL #5	3.20	3.23		
TOTAL	16.15	16.18		
AVG.	3.23	3.23		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.19		4.11
PULL #2	4.06	4.10		4.12
PULL #3	4.16	4.21		4.11
PULL #4	4.16	4.26		4.12
PULL #5	4.24	4.30		4.08
TOTAL	20.94	21.06		20.54
AVG.	4.19	4.21		4.11

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587738
5 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.0534603
1 TO	2	.184567
1 TO	3	.0144222
1 TO	4	.116726
1 TO	5	.629287

5 # <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0842
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1818
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .132109
THE AMP FOR THIS RIFLE IS: .8402

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587798

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.336

VS= 1.994

GS= 2.075

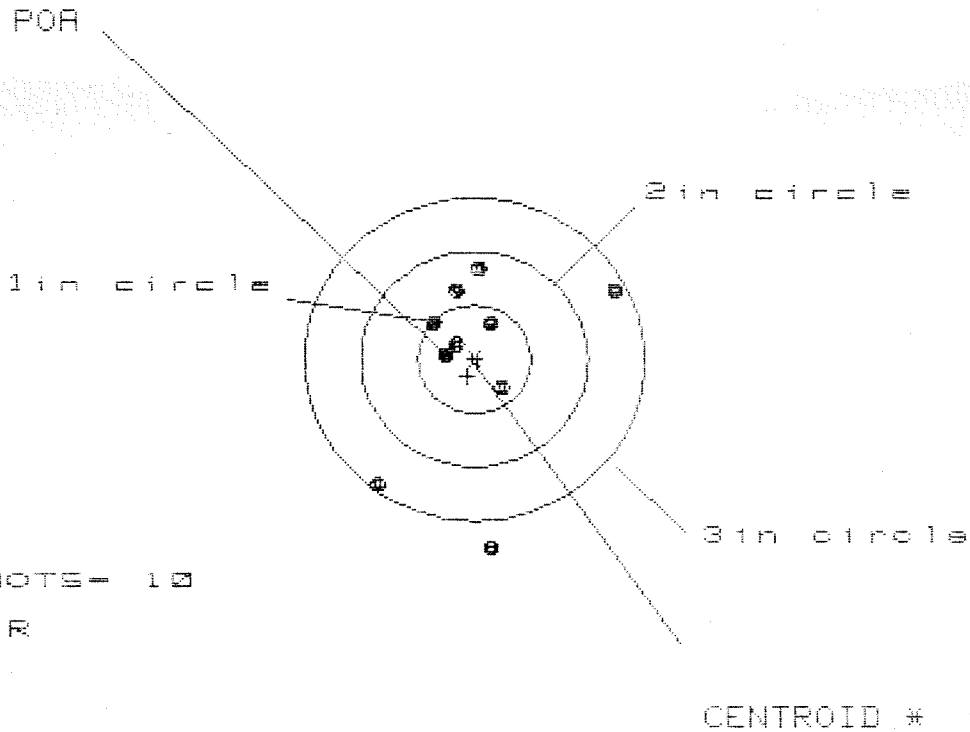
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.530	.525	.476
MINIMUM X	-.806	-.811	-.745
MAXIMUM Y	.752	.614	.437
MINIMUM Y	-1.242	-.629	-.552
CENTROID X	-.005	-.000	-.066
CENTROID Y	.045	.183	.106
POA TO CENTROID in.	.045	.183	.125
MIN RADIUS	.115	.117	.031
MEAN RADIUS	.605	.522	.472
MAX RADIUS	1.243	.815	.745
HORIZONTAL SPREAD	1.336	1.336	1.221
VERTICAL SPREAD	1.994	1.243	.989
EXTREME SPREAD	2.075	1.506	1.298
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

5 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08587738

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 9

HS = 2.112

VS = 2.569

GS = 2.781

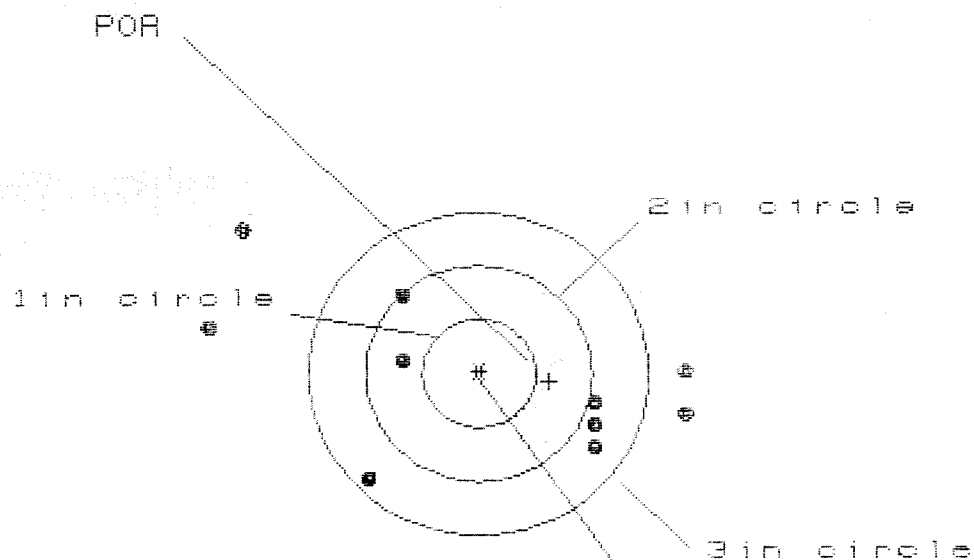
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.270	1.290	.437
MINIMUM X	:	-.842	-.822	-.661
MAXIMUM Y	:	.862	.672	.731
MINIMUM Y	:	-1.707	-1.338	-1.279
CENTROID X	:	.060	.040	-.121
CENTROID Y	:	.157	.347	.288
POA TO CENTROID in.	:	.168	.349	.312
MIN RADIUS	:	.246	.142	.058
MEAN RADIUS	:	.795	.637	.527
MAX RADIUS	:	1.717	1.570	1.439
HORIZONTAL SPREAD	:	2.112	2.112	1.098
VERTICAL SPREAD	:	2.569	2.010	2.010
EXTREME SPREAD	:	2.781	2.781	2.191
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587738

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1in = 0

2in = 3

3in = 6

HS= 4.238

VS= 2.366

GS= 4.320

CENTROID #

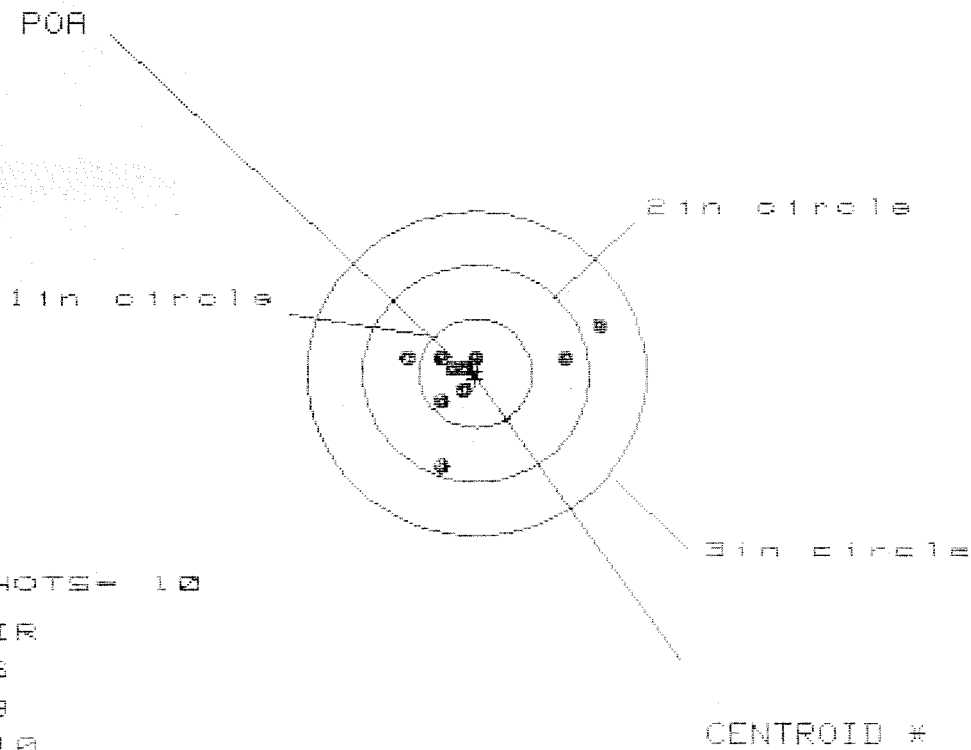
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.857	1.626	1.380
MINIMUM X	:	-2.381	-2.612	-1.489
MAXIMUM Y	:	1.374	.889	.967
MINIMUM Y	:	-.992	-.839	-.761
CENTROID X	:	-.622	-.391	-.065
CENTROID Y	:	.072	-.081	-.159
POA TO CENTROID in.	:	.626	.400	.171
MIN RADIUS	:	.685	.745	.415
MEAN RADIUS	:	1.501	1.346	1.085
MAX RADIUS	:	2.487	2.685	1.672
HORIZONTAL SPREAD	:	4.238	4.238	2.789
VERTICAL SPREAD	:	2.366	1.728	1.728
EXTREME SPREAD	:	4.320	4.320	2.889
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587738

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 6

2in = 9

3in = 10

HS= 1.702

VS= 1.278

GS= 1.907

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.113	.961	.939
MINIMUM X	:	-.589	-.465	-.487
MAXIMUM Y	:	.474	.230	.136
MINIMUM Y	:	-.804	-.751	-.304
CENTROID X	:	.007	-.117	-.095
CENTROID Y	:	.053	.000	.094
POA TO CENTROID in.	:	.053	.117	.133
MIN RADIUS	:	.129	.075	.039
MEAN RADIUS	:	.497	.378	.321
MAX RADIUS	:	1.210	.981	.944
HORIZONTAL SPREAD	:	1.702	1.426	1.426
VERTICAL SPREAD	:	1.278	.981	.440
EXTREME SPREAD	:	1.907	1.485	1.426
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587738

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 2.373

VS = 1.482

GS = 2.710

CENTROID *

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.502	1.300	.512
MINIMUM X	-.871	-.704	-.537
MAXIMUM Y	.707	.640	.655
MINIMUM Y	-.775	-.842	-.827
CENTROID X	.139	-.028	-.195
CENTROID Y	.182	.249	.234
POA TO CENTROID in.	.229	.251	.305
MIN RADIUS	.095	.217	.384
MEAN RADIUS	.803	.708	.633
MAX RADIUS	1.618	1.335	.869
HORIZONTAL SPREAD	2.373	2.034	1.049
VERTICAL SPREAD	1.482	1.482	1.482
EXTREME SPREAD	2.710	2.100	1.685
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO 06587738DATE 8-31-95TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.70	2.48	2.71		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.80	2.40	2.81		
PULL #3	2.70	2.40	2.46		
PULL #4	2.90	2.30	2.63		
PULL #5	2.90	2.30	2.79		
TOTAL	1400	1188	1340		
AVG.	2.80	2.37	2.68		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.01	3.13		
PULL #2	3.00	3.00		
PULL #3	3.00	2.95		
PULL #4	2.95	3.01		
PULL #5	2.90	3.10		
TOTAL	1486	1519		
AVG.	2.97	3.03		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.21	4.13	
PULL #2	4.04	4.14	4.15	
PULL #3	4.00	4.07	4.14	
PULL #4	4.17	4.08	4.07	
PULL #5	4.06	4.00	4.00	
TOTAL	2038	2050	2049	
AVG.	4.07	4.10	4.09	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587738

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	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			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 3/4	6 3/4	6 3/4			12/4	WB
	G) Safety Off Force	3	3	3			12/4	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0225	.023	.0225			12/4	WB
	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	2.47	2.58	2.61	2.58	2.64	12/4	WB
	C) Function							
660	Pack							