

C6522166

MODEL 700TM M24

Model SWSTM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



Repair Number	RE00102783	Serial: C6522166 Model: M24 SWS Center Fire	Repairman	
Verify Repair		Caliber: 7.62 NATO	Status	Closed 10/26/2005 9:45:58 AM

Customer: ☐ Received From ☐ Return To ☐ Received From

Name:	PR W7LZ CAMP SHELBY DET 57	PR W7LZ CAMP SHELBY DET 57
Address 1:	DEF TRAINING BDE ROTATION	DEF TRAINING BDE ROTATION
Address 2:	BLDG 6520 WAREHOUSE AVE	BLDG 6520 WAREHOUSE AVE
City:	CAMP SHELBY	CAMP SHELBY
State:	MS	MS
Zip Code:	39407	39407
Country:	US	US

FEL						
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Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing																									
Contact Information: Phone: 601 558 4593 Fax: Email: Comments:	Received Condition: Fair Condition Notes: CSR Notes:	Accessories Received: <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A016</td> <td>Scope Rings</td> <td>2</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>A045</td> <td>Bi Pod</td> <td>1</td> </tr> <tr> <td>A055</td> <td>Deployment Kit</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Front and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	1	A016	Scope Rings	2	A017	Scope Base	1	A026	Scope	1	A045	Bi Pod	1	A055	Deployment Kit	1	A057	Front and Rear Sgt Base	1
Code	Desc	Qty																											
A007	With Stud	3																											
A010	Hard Case	1																											
A016	Scope Rings	2																											
A017	Scope Base	1																											
A026	Scope	1																											
A045	Bi Pod	1																											
A055	Deployment Kit	1																											
A057	Front and Rear Sgt Base	1																											

Repair Search

Refresh

Close

Serial Number: **C6522166**

Model: M24 SWS



RE00102783

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522166.__0
FILE DATE AND TIME: 11/28/2005 14:26

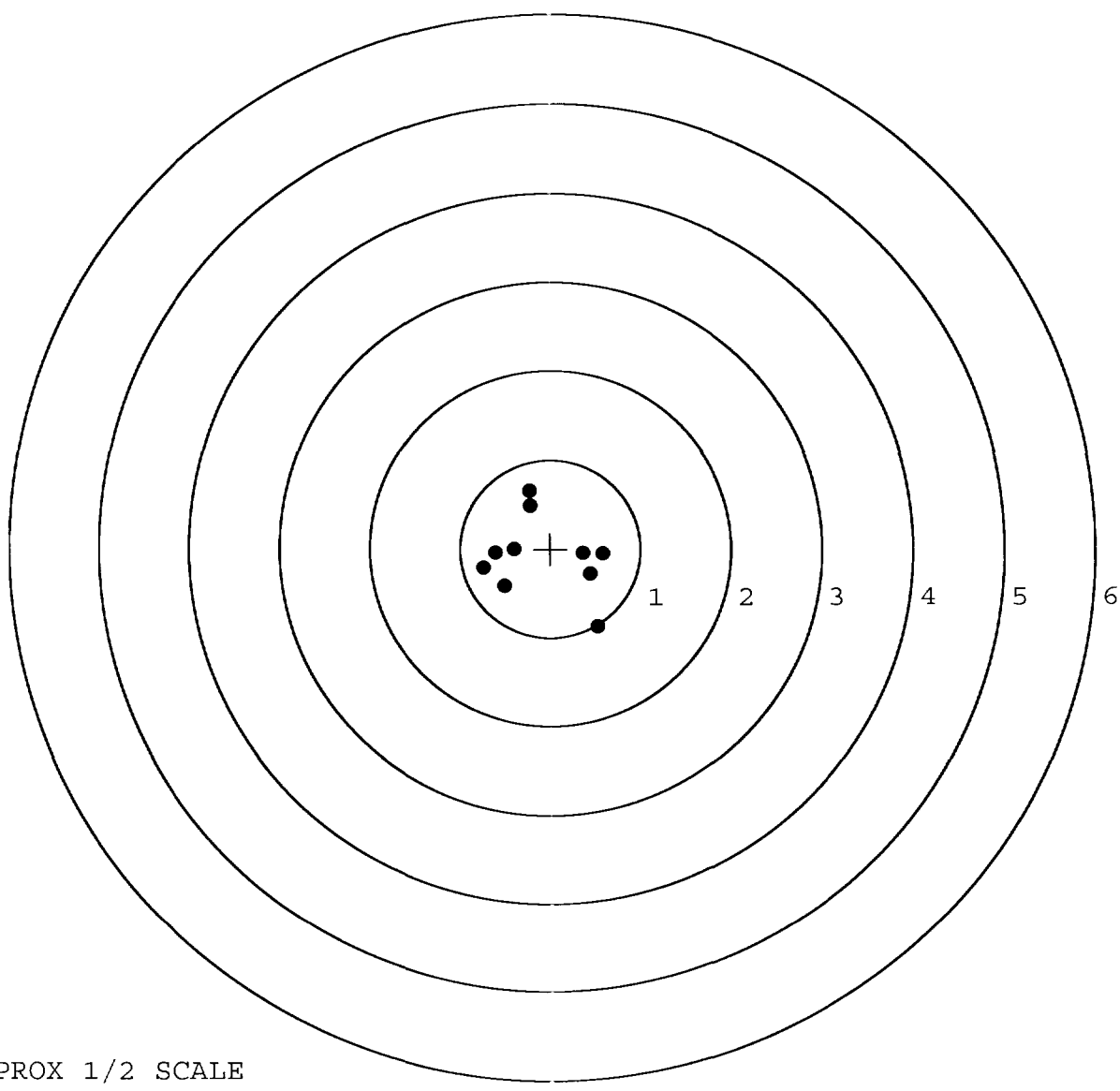
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.022
The Average Y Centroid of the Five Target Set:	-0.053
The Average Point of Impact of the Five Target Set:	0.058
The Average Mean Radius of the Five Target Set:	0.667
The Distance from POA to Centroid Target #1:	0.114
The Distance from Centroid Target #2 to Centroid Target #1:	0.164
The Distance from Centroid Target #3 to Centroid Target #1:	0.076
The Distance from Centroid Target #4 to Centroid Target #1:	0.114
The Distance from Centroid Target #5 to Centroid Target #1:	0.063

SERIAL NUMBER: C6522166.___0
TARGET NUMBER: 1
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID: -0.080
Y CENTROID: -0.081
POA TO CENTROID: 0.114
HORZ SPREAD: 1.329
VERT SPREAD: 1.535
GROUP SPREAD: 1.709
MIN RADIUS: 0.331
MAX RADIUS: 1.000
MEAN RADIUS: 0.611
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.522	-0.880
2:	0.444	-0.289
3:	0.583	-0.056
4:	0.366	-0.048
5:	-0.223	0.493
6:	-0.229	0.655
7:	-0.401	-0.001
8:	-0.508	-0.426
9:	-0.746	-0.217
10:	-0.607	-0.041

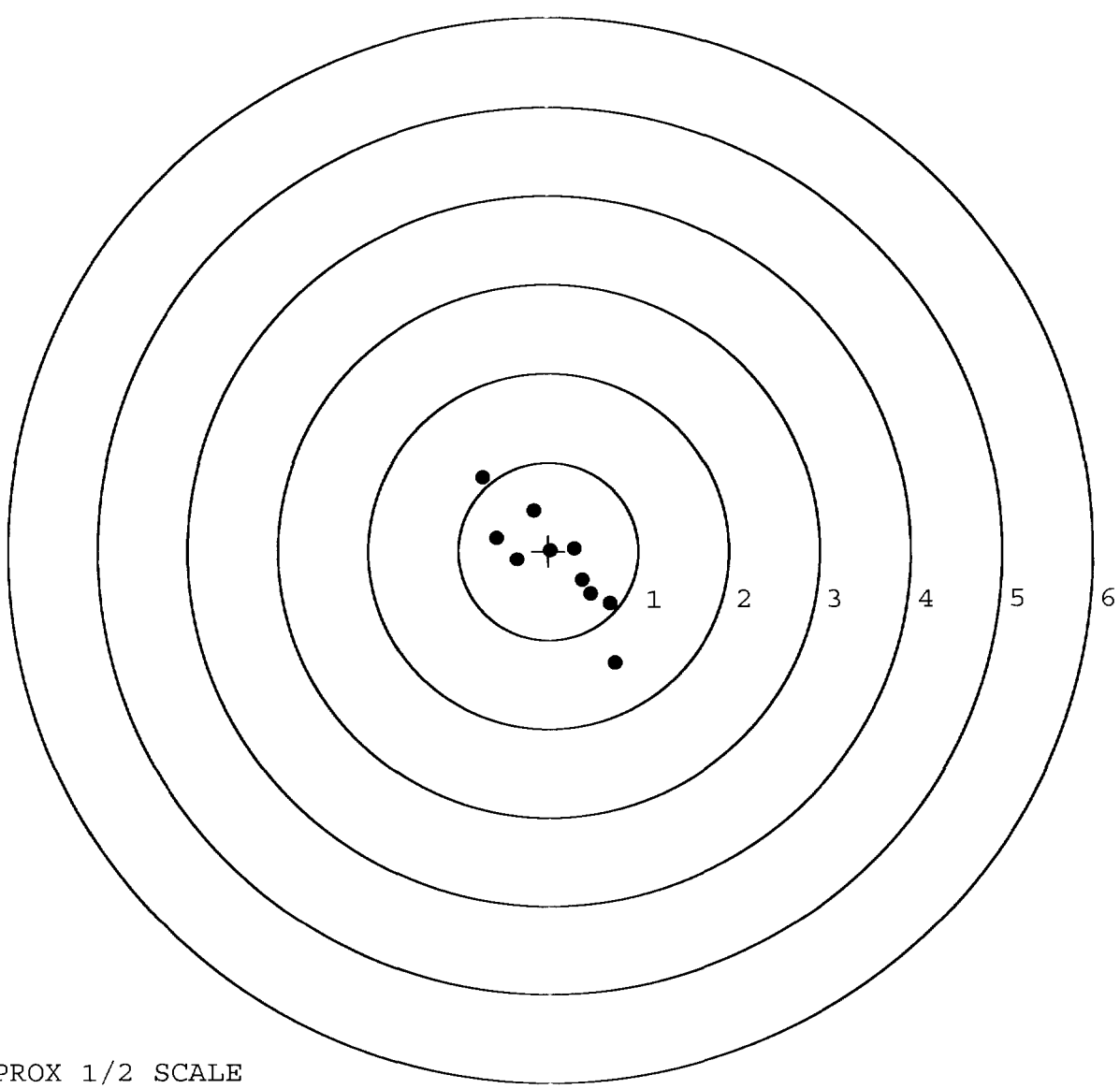


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522166.___0
TARGET NUMBER: 2
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID: 0.076
Y CENTROID: -0.132
POA TO CENTROID: 0.152
HORZ SPREAD: 1.466
VERT SPREAD: 2.089
GROUP SPREAD: 2.552
MIN RADIUS: 0.149
MAX RADIUS: 1.308
MEAN RADIUS: 0.640
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.737	-1.261
2:	0.682	-0.595
3:	0.471	-0.489
4:	0.290	0.028
5:	0.024	0.008
6:	-0.350	-0.104
7:	-0.577	0.147
8:	-0.164	0.454
9:	-0.729	0.828
10:	0.375	-0.335

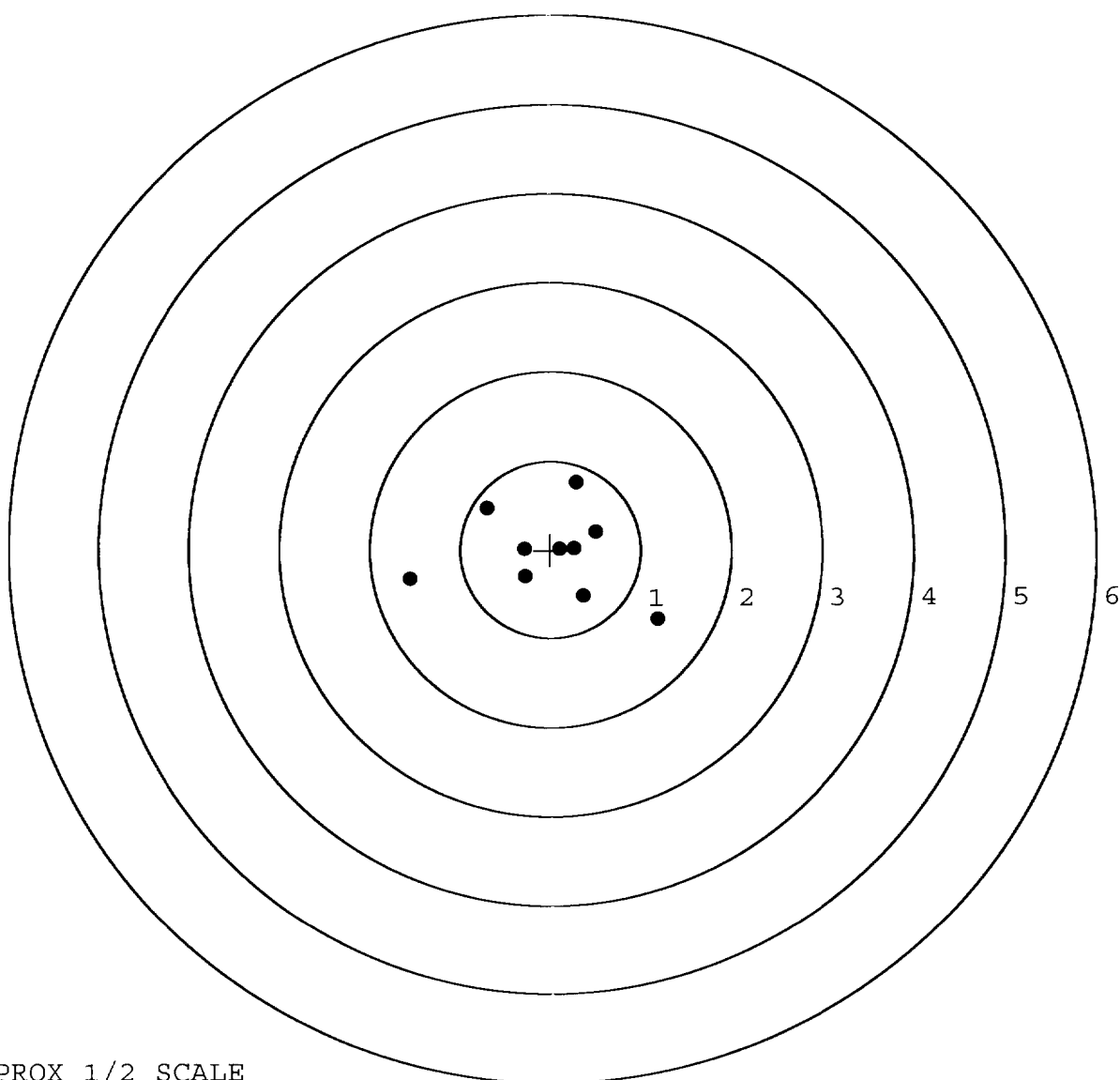


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522166.____0
TARGET NUMBER: 3
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID: -0.012
Y CENTROID: -0.047
POA TO CENTROID: 0.048
HORZ SPREAD: 2.740
VERT SPREAD: 1.560
GROUP SPREAD: 2.778
MIN RADIUS: 0.133
MAX RADIUS: 1.571
MEAN RADIUS: 0.698
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.184	-0.797
2:	0.363	-0.528
3:	0.502	0.208
4:	0.292	0.763
5:	0.266	0.024
6:	0.104	0.019
7:	-0.287	0.014
8:	-0.283	-0.311
9:	-0.705	0.477
10:	-1.556	-0.338

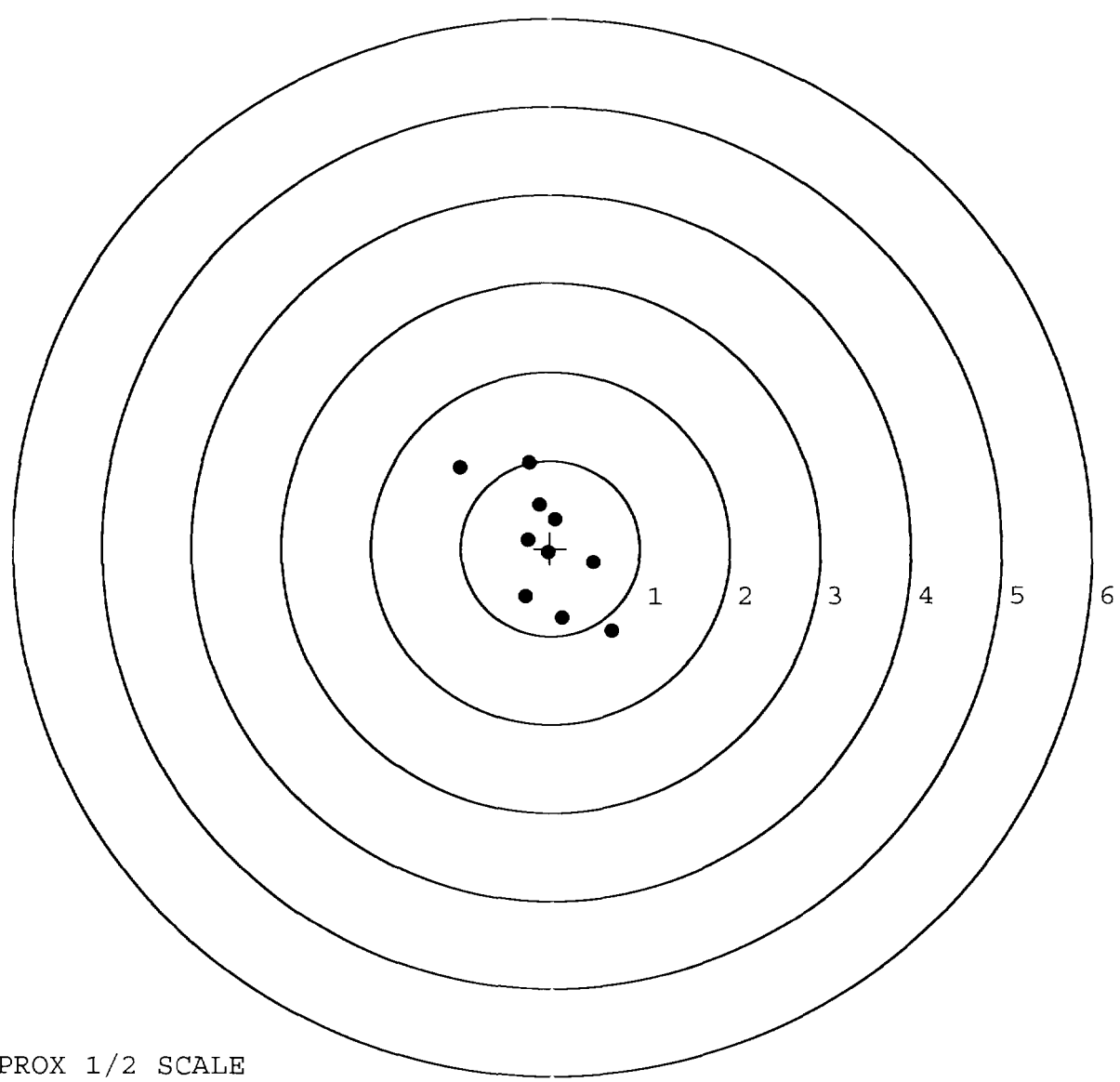


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522166.___0
TARGET NUMBER: 4
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID: -0.059
Y CENTROID: 0.032
POA TO CENTROID: 0.067
HORZ SPREAD: 1.693
VERT SPREAD: 1.923
GROUP SPREAD: 2.524
MIN RADIUS: 0.087
MAX RADIUS: 1.304
MEAN RADIUS: 0.663
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.683	-0.948
2:	0.128	-0.797
3:	-0.286	-0.556
4:	0.476	-0.162
5:	-0.238	0.975
6:	-1.010	0.924
7:	-0.124	0.500
8:	0.055	0.330
9:	-0.253	0.098
10:	-0.024	-0.048

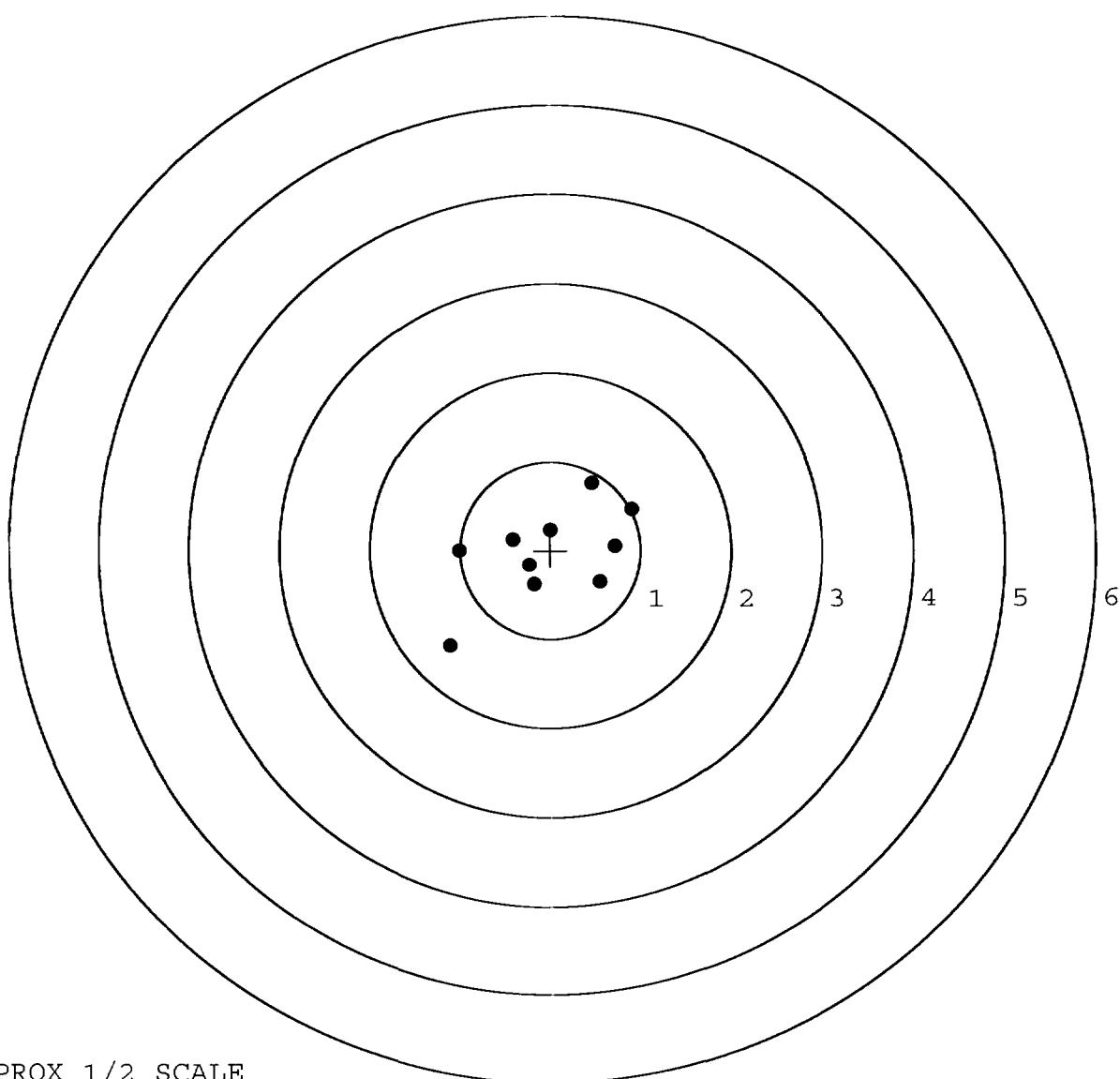


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522166.____0
TARGET NUMBER: 5
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID: -0.033
Y CENTROID: -0.039
POA TO CENTROID: 0.051
HORZ SPREAD: 2.018
VERT SPREAD: 1.834
GROUP SPREAD: 2.537
MIN RADIUS: 0.240
MAX RADIUS: 1.501
MEAN RADIUS: 0.721
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.553	-0.366
2:	0.715	0.051
3:	0.902	0.460
4:	0.466	0.756
5:	-0.001	0.229
6:	-0.182	-0.391
7:	-0.235	-0.168
8:	-0.419	0.124
9:	-1.011	-0.003
10:	-1.116	-1.078



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS.

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 11-03-05

TESTER S.F.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.63	2.72		2.63	
PULL #2	2.62	2.49		2.58	
PULL #3	2.52	2.60		2.61	
PULL #4	2.62	2.71		2.49	
PULL #5	2.56	2.66		2.55	
TOTAL	12.95	13.18		12.86	
AVERAGE	2.59	2.64		2.57	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.17		
PULL #2	2.97	3.19		
PULL #3	2.98	3.26		
PULL #4	2.96	3.23		
PULL #5	2.83	3.20		
TOTAL	15.04	16.05		
AVERAGE	3.01	3.21		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	3.95	3.96		3.98
PULL #2	4.06	3.86		3.99
PULL #3	3.91	3.88		3.86
PULL #4	3.94	4.02		3.89
PULL #5	3.91	3.92		4.11
TOTAL	19.77	19.64		19.83
AVERAGE	3.95	3.93		3.97

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

R & E NUMBER	102783		Camp Shelby	
SERIAL NUMBER	C6522166			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-4-05	AC
505	RE-BARREL		11-8-05	AC
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA-FLUX INSPECTED NOV 13 2005	11-15-05	CD
605	CHECK HEADSPACE		11-15-05	CD
610	DIS-ASSEMBLE GUN		11-15-05	CD
612	MAGNAFLUX	OPERATOR <u>WWS</u>	11-18-05	WWS
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	FB
625	FINAL ASSEMBLY		11-23-05	BG
640	FUNCTION TEST AND	PASS FAIL	11-28-05	TRW
650	TARGET	PASS FAIL	11-28-05	TRW
	MALFUNCTION FPO BAC	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-28-05	TRW
	A) HEADSPACE	PASS FAIL	11-28-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.75 2.75 2.68 2.76 2.86	AC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	AC
	I) FIRING PIN INDENT	.020	.024 .024 .024	AC
690	PACK		11-15-05	DA

Remington®



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

MODEL 700™ H24

SERIAL NO.

C6522166

ORDER NO.

5716

01

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



5716 C6522166

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400004049

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522166
13 Sep 1990

CENTROIDAL DISTANCES

Ø TO	1	.178891
1 TO	2	.169
1 TO	3	.414238
1 TO	4	.268799
1 TO	5	.187459

10442

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0274
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0082
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0286007
THE AMR FOR THIS RIFLE IS: 1.169

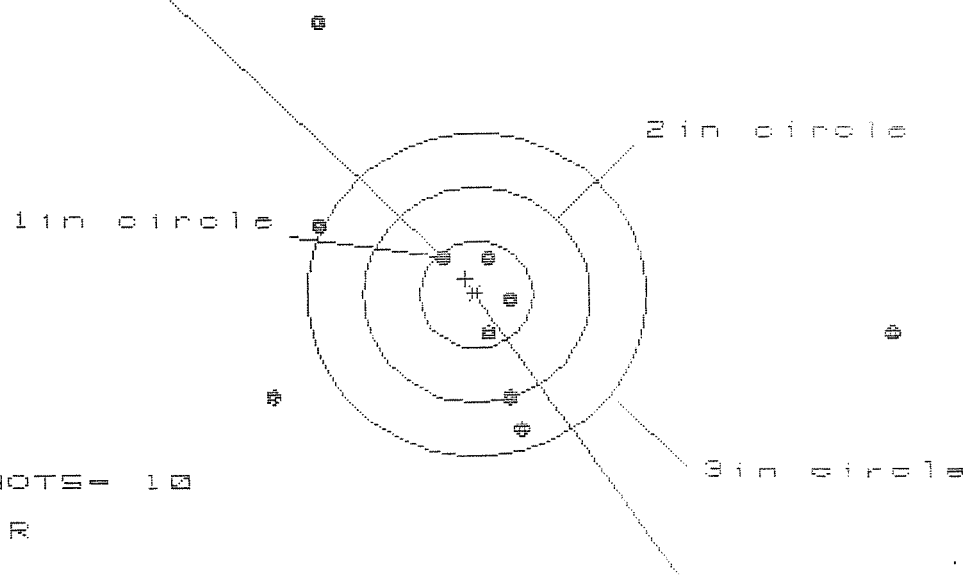
13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8582166

CENTERFIRE PATTERNS

1

FOR



OF SHOTS = 10

IN CIR

1in = 4

2in = 4

3in = 6

HS = 5.507

VS = 3.803

GS = 5.817

CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	3.674	.786	.666
MINIMUM X	:	-1.833	-1.425	-1.545
MAXIMUM Y	:	2.562	2.524	.942
MINIMUM Y	:	-1.241	-1.279	-.963
CENTROID X	:	.099	-.309	-.189
CENTROID Y	:	-.149	-.111	-.427
FOR TO CENTROID in.	:	.178	.329	.467
MIN RADIUS	:	.327	.360	.375
MEAN RADIUS	:	1.408	1.188	.954
MAX RADIUS	:	3.689	2.701	1.680
HORIZONTAL SPREAD	:	5.507	2.211	2.211
VERTICAL SPREAD	:	3.803	3.803	1.905
EXTREME SPREAD	:	5.817	4.185	2.596
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522166

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 2

3in = 7

HS= 2.705

VS= 4.661

GS= 4.780

PATTERN #

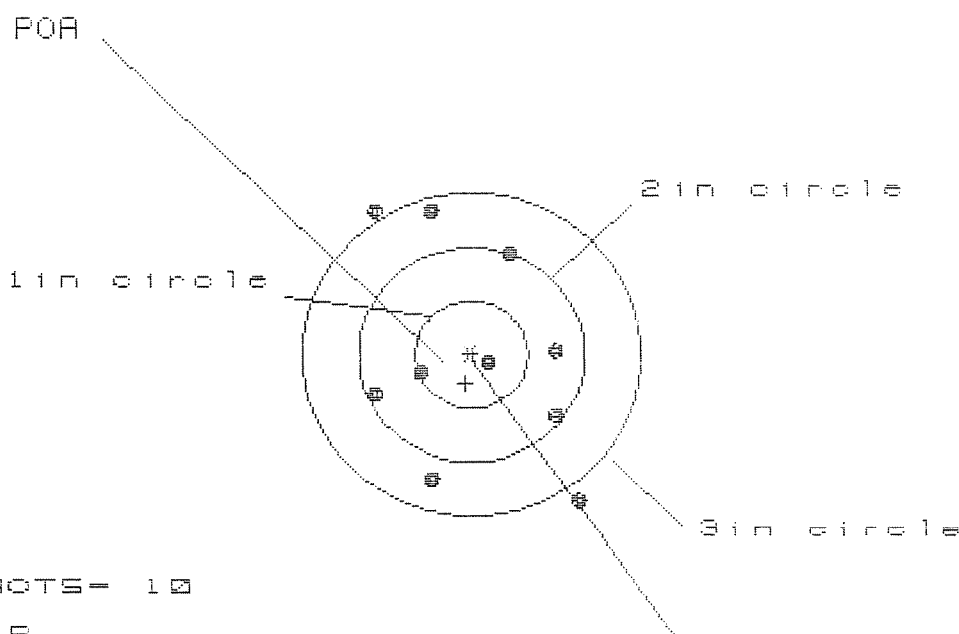
2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.134	1.141	1.282
MINIMUM X	-1.571	-1.564	-1.423
MAXIMUM Y	1.766	1.444	.914
MINIMUM Y	-2.895	-1.170	-.989
CENTROID X	-.020	-.027	-.168
CENTROID Y	-.269	.053	-.128
POA TO CENTROID in.	.270	.059	.211
MIN RADIUS	.387	.579	.403
MEAN RADIUS	1.314	1.120	1.000
MAX RADIUS	2.896	1.834	1.425
HORIZONTAL SPREAD	2.705	2.705	2.705
VERTICAL SPREAD	4.661	2.614	1.903
EXTREME SPREAD	4.780	3.110	2.740
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	7		

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522166

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 1.831

VS= 2.717

GS= 3.254

CENTROID #

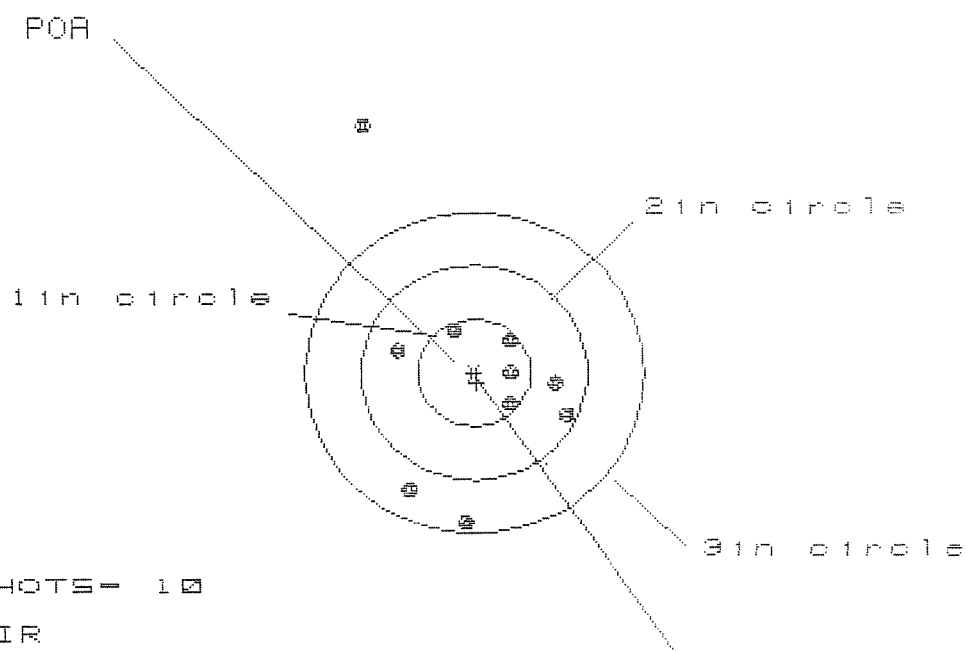
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.970	.836	.747
MINIMUM X	:	-.861	-.753	-.842
MAXIMUM Y	:	1.359	1.208	1.321
MINIMUM Y	:	-1.358	-1.319	-1.168
CENTROID X	:	.056	-.052	.037
CENTROID Y	:	.263	.414	.263
POA TO CENTROID in.	:	.269	.418	.266
MIN RADIUS	:	.140	.319	.157
MEAN RADIUS	:	.993	.929	.836
MAX RADIUS	:	1.669	1.402	1.372
HORIZONTAL SPREAD	:	1.831	1.589	1.589
VERTICAL SPREAD	:	2.717	2.527	2.489
EXTREME SPREAD	:	3.254	2.575	2.490
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522166

CENTERFIRE PATTERNS

4



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS = 1.840

VS = 3.670

GS = 3.782

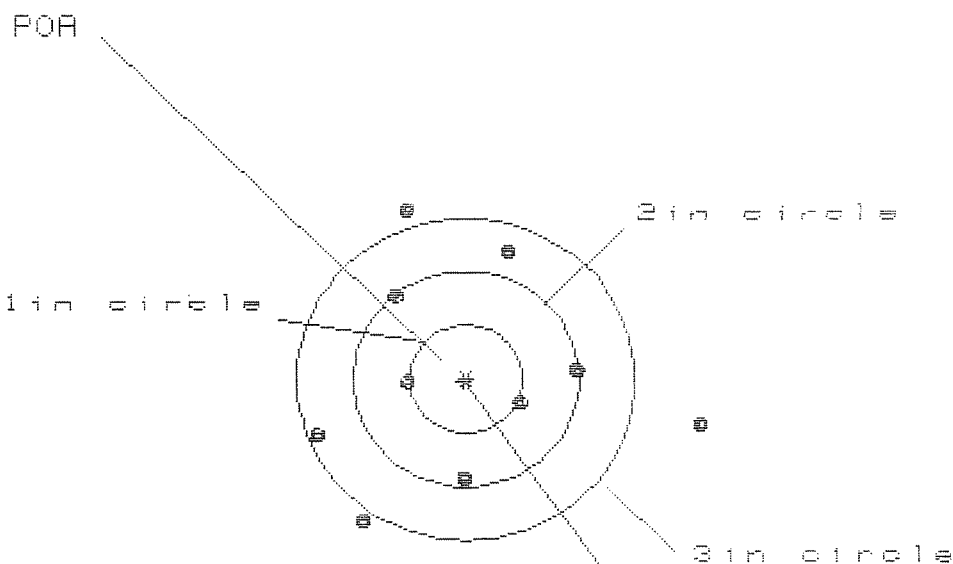
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.867	.759	.738
MINIMUM X	:	-.973	-.788	-.809
MAXIMUM Y	:	2.309	.660	.522
MINIMUM Y	:	-1.361	-1.105	-.966
CENTROID X	:	-.018	.090	.111
CENTROID Y	:	.093	-.163	-.025
POA TO CENTROID in.	:	.095	.187	.114
MIN RADIUS	:	.366	.198	.251
MEAN RADIUS	:	.916	.709	.628
MAX RADIUS	:	2.506	1.117	1.226
HORIZONTAL SPREAD	:	1.840	1.547	1.547
VERTICAL SPREAD	:	3.670	1.765	1.488
EXTREME SPREAD	:	3.782	1.772	1.666
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522166

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS= 3.436

VS= 2.908

GS= 3.439

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.103	1.239	1.151
MINIMUM X	:	-1.333	-1.099	-1.187
MAXIMUM Y	:	1.538	1.492	1.315
MINIMUM Y	:	-1.370	-1.416	-1.175
CENTROID X	:	.020	-.213	-.125
CENTROID Y	:	.021	.067	.244
POA TO CENTROID in.	:	.029	.224	.274
MIN RADIUS	:	.552	.335	.470
MEAN RADIUS	:	1.212	1.088	1.019
MAX RADIUS	:	2.144	1.583	1.421
HORIZONTAL SPREAD	:	3.436	2.338	2.338
VERTICAL SPREAD	:	2.908	2.908	2.490
EXTREME SPREAD	:	3.439	2.945	2.530
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6527166

OP. #	OP. NAME	READINGS	DATE	INIT
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		8/23/90	LB
618	Polish Barrel RB		8/23/90	WB
620	Apply Coatings (Barrel Action)		8/23/90	JB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/4/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	5	4	4			9/12/90	928
	G) Safety Off Force	3	3	3			9/12/90	928
	H) Trigger Pull Test & Retainability						9/14/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/12/90	928
	J) Assemble Stock						9/12/90	RW
	K) Assemble Swivel Studs						9/15/90	928
	L) Attach Front and Rear Sight Assemblies						9/12/90	RW
	M) Iron Sight Alignment						9/12/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/12/90	RW
	O) Attach Scope to Rifle						9/12/90	RW
	P) Detach & Attach Scope 20 Times						9/15/90	RW
640	Gallery Target & Test						9/13/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						9/13/90	NF
655	Final Inspection						9/15/90	928
	A) Headspace						9/15/90	928
	B) Trigger Pull	2.29	2.30	2.40	2.28	2.45	9-15-90	928
	C) Function						9/15/90	928
660	Pack						9/19/90	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6522166
DATE 9/11/90
TESTER W.B

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.57	2.53	2.29	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.52	2.29	2.30	
PULL #3	2.57	2.41	2.20	2.40	
PULL #4	2.47	2.37	2.47	2.28	
PULL #5	2.41	2.52	2.51	2.45	
TOTAL	12.43	12.39	12.00	11.72	
AVG.	2.48	2.48	2.40	2.344	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	3.20		
PULL #2	3.07	3.30		
PULL #3	3.07	3.25		
PULL #4	2.90	3.10		
PULL #5	3.08	3.25		
TOTAL	15.20	16.10		
AVG.	3.04	3.22		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	4.19		4.09
PULL #2	4.07	4.02		4.08
PULL #3	4.23	4.18		3.95
PULL #4	4.22	4.15		4.08
PULL #5	4.30	4.09		4.11
TOTAL	20.84	20.63		20.31
AVG.	4.17	4.12		4.06