

C6522194

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400003232

CONFIDENTIAL -SUBJECT TO PROTECTIVE ORDER

Repair Inquiry

Repair Number: **RE00070735**Serial: C6522194 Model 700 Center Fire Caliber: 7
62 NATO M24 SWS Produced: 09/19/1990

Repairman:

Verify Repair

Status:

Closed 9/30/2003 7:45:42 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: C CO SPT BN

C CO SPT BN

Address 1: SWC

SWC

Address 2:

PO Box:

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

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
A016	Scope Mounts	2
A017	Scope Base	1
A026	Scope	1

Repair Search

Refresh

Close

naglej

9/30/2003

8:41 AM

CAPS

NUM

INS

SCPL

start

3 Micro...

4 Micro...

My Exe...

Search fo...

Arms Ser...

Part Ser...

8:41 AM

Serial
Number:**C6522194**Model: **700****RE00070735**

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)

DATE 10-22-03

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.34	2.26		2.32	
PULL #2	2.48	2.30		2.29	
PULL #3	2.63	2.25		2.28	
PULL #4	2.52	2.16		2.51	
PULL #5	2.49	2.24		2.43	
TOTAL	12.46	11.21		11.83	
AVERAGE	2.49	2.24		2.36	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.42		
PULL #2	3.25	3.26		
PULL #3	3.20	3.37		
PULL #4	3.14	3.32		
PULL #5	3.31	3.33		
TOTAL	15.97	16.70		
AVERAGE	3.19	3.34		

	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	4.26	4.34		4.31
PULL #2	4.41	4.08		4.24
PULL #3	4.23	4.04		4.13
PULL #4	4.28	4.09		4.09
PULL #5	4.22	4.05		4.23
TOTAL	21.40	20.60		21.00
AVERAGE	4.28	4.12		4.20

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522194.___0
FILE DATE AND TIME: 10/29/2003 18:57

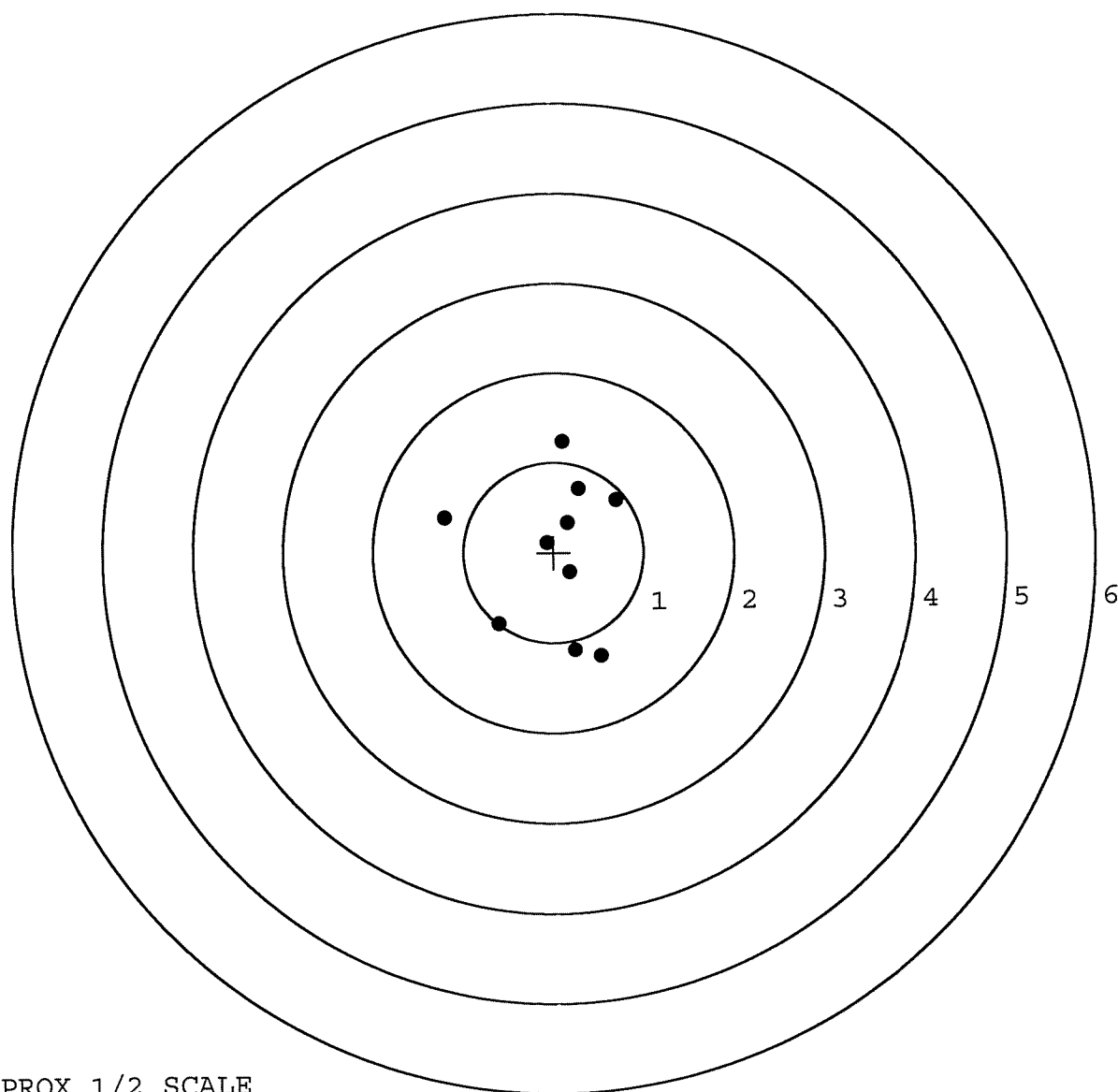
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.048
The Average Y Centroid of the Five Target Set:	0.014
The Average Point of Impact of the Five Target Set:	0.050
The Average Mean Radius of the Five Target Set:	0.662
The Distance from POA to Centroid Target #1:	0.029
The Distance from Centroid Target #2 to Centroid Target #1:	0.258
The Distance from Centroid Target #3 to Centroid Target #1:	0.188
The Distance from Centroid Target #4 to Centroid Target #1:	0.190
The Distance from Centroid Target #5 to Centroid Target #1:	0.180

SERIAL NUMBER: C6522194. __0
TARGET NUMBER: 1
FILE DATE: 10/29/2003
FILE TIME: 18:57

X CENTROID: 0.027
Y CENTROID: 0.009
POA TO CENTROID: 0.029
HORZ SPREAD: 1.897
VERT SPREAD: 2.388
GROUP SPREAD: 2.317
MIN RADIUS: 0.145
MAX RADIUS: 1.290
MEAN RADIUS: 0.830
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.517	-1.156
2:	0.230	-1.089
3:	-0.619	-0.788
4:	0.177	-0.221
5:	-0.074	0.113
6:	-1.203	0.396
7:	0.112	1.232
8:	0.285	0.703
9:	0.694	0.577
10:	0.155	0.327

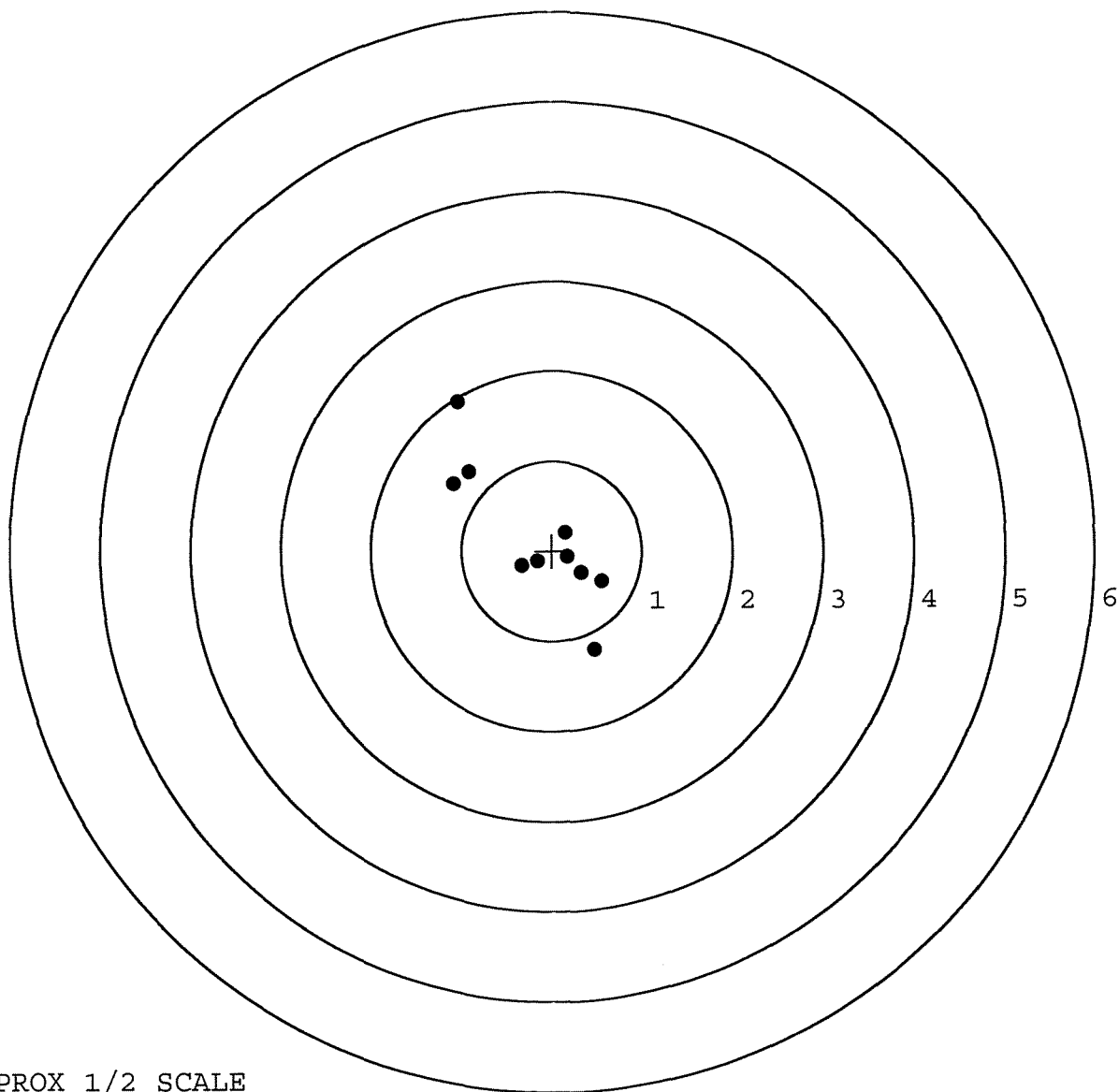


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522194. __0
TARGET NUMBER: 2
FILE DATE: 10/29/2003
FILE TIME: 18:57

X CENTROID: -0.189
Y CENTROID: 0.149
POA TO CENTROID: 0.241
HORZ SPREAD: 1.642
VERT SPREAD: 2.748
GROUP SPREAD: 3.139
MIN RADIUS: 0.266
MAX RADIUS: 1.732
MEAN RADIUS: 0.817
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.472	-1.094
2:	-1.091	0.753
3:	-0.919	0.890
4:	-1.046	1.654
5:	-0.340	-0.160
6:	-0.163	-0.116
7:	0.152	0.206
8:	0.168	-0.067
9:	0.322	-0.245
10:	0.551	-0.335

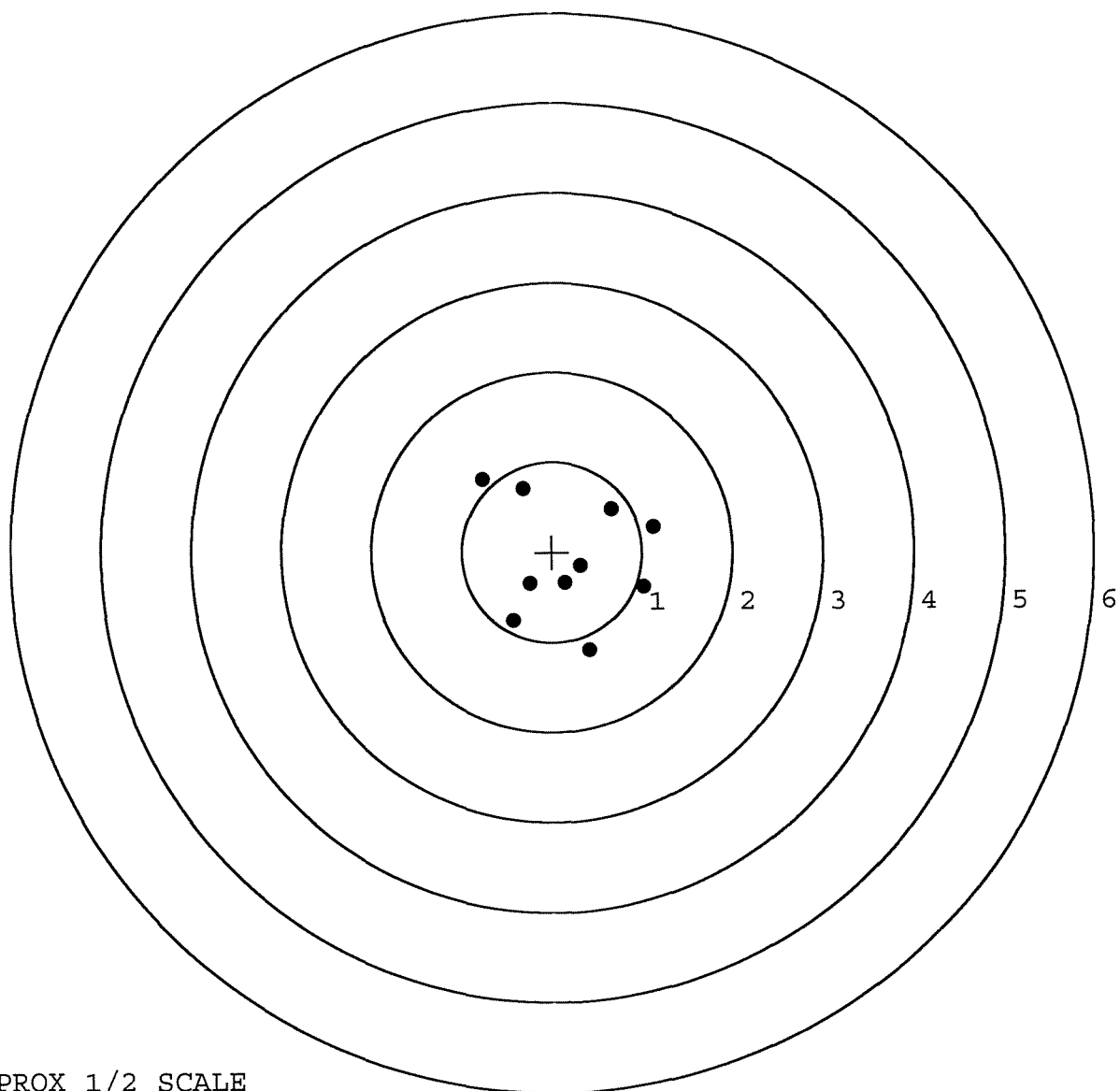


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522194: __0
TARGET NUMBER: 3
FILE DATE: 10/29/2003
FILE TIME: 18:57

X CENTROID: 0.192
Y CENTROID: -0.082
POA TO CENTROID: 0.209
HORZ SPREAD: 1.902
VERT SPREAD: 1.898
GROUP SPREAD: 2.240
MIN RADIUS: 0.143
MAX RADIUS: 1.311
MEAN RADIUS: 0.774
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.018	-0.390
2:	1.133	0.278
3:	0.654	0.478
4:	0.420	-1.088
5:	-0.428	-0.763
6:	-0.250	-0.350
7:	0.146	-0.343
8:	0.317	-0.151
9:	-0.320	0.702
10:	-0.769	0.810

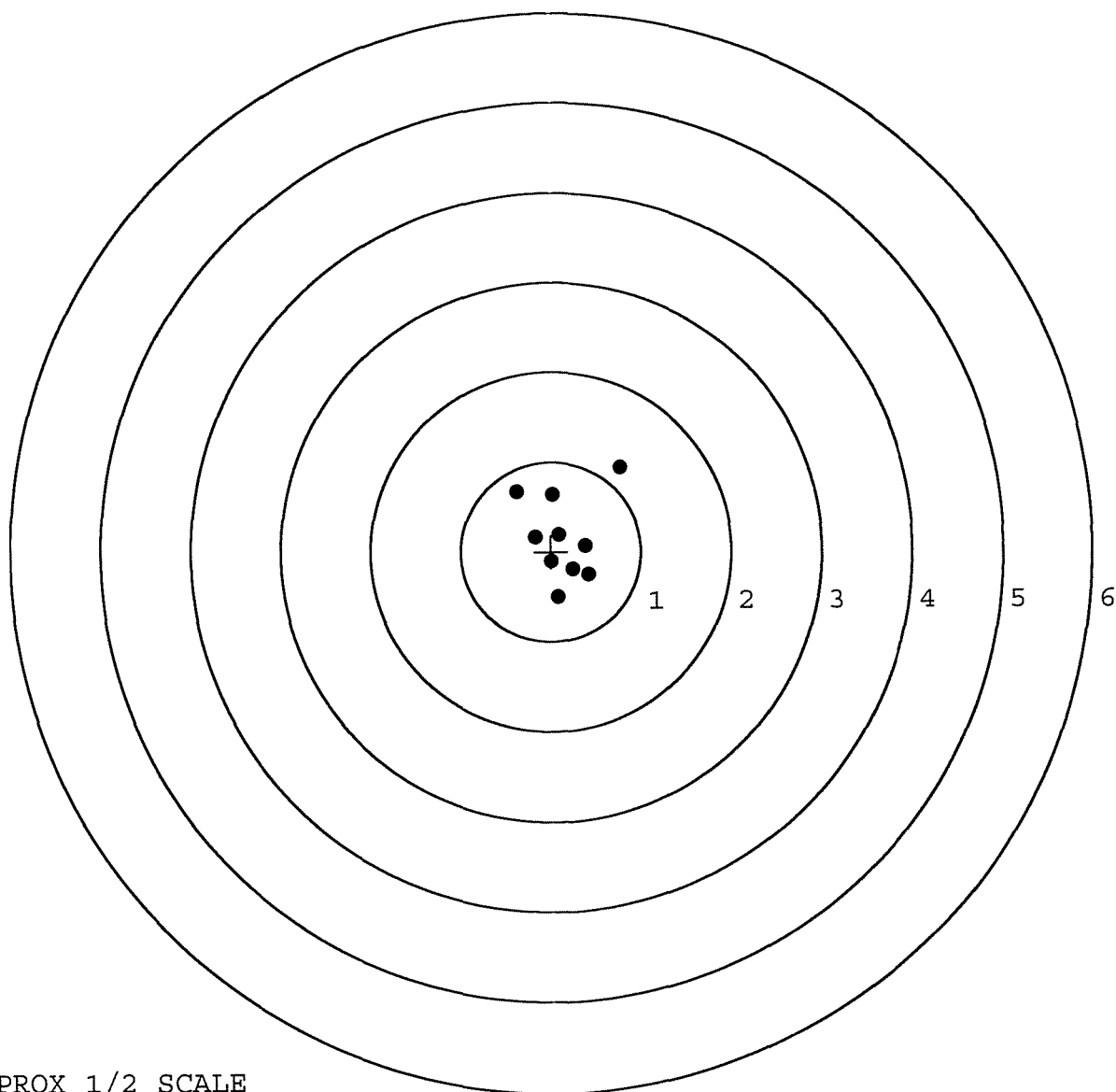


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522194. __0
TARGET NUMBER: 4
FILE DATE: 10/29/2003
FILE TIME: 18:57

X CENTROID: 0.145
Y CENTROID: 0.159
POA TO CENTROID: 0.215
HORZ SPREAD: 1.150
VERT SPREAD: 1.451
GROUP SPREAD: 1.607
MIN RADIUS: 0.060
MAX RADIUS: 0.998
MEAN RADIUS: 0.471
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

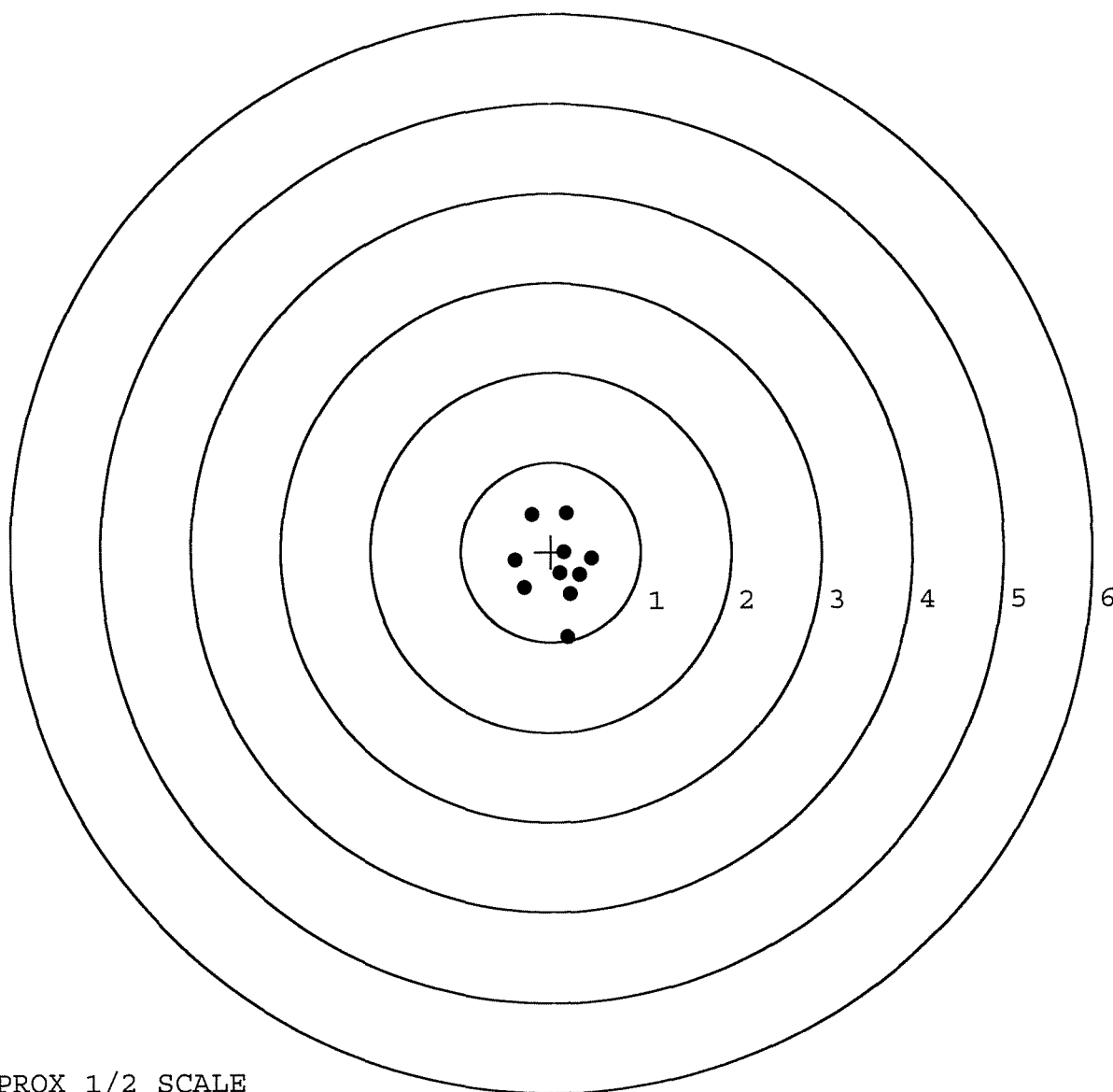
POINT#	X	Y
1:	0.768	0.939
2:	-0.382	0.671
3:	0.018	0.638
4:	0.078	-0.512
5:	0.381	0.073
6:	0.419	-0.257
7:	0.092	0.188
8:	-0.176	0.163
9:	0.004	-0.113
10:	0.243	-0.199



SERIAL NUMBER: C6522194. __0
TARGET NUMBER: 5
FILE DATE: 10/29/2003
FILE TIME: 18:57

X CENTROID: 0.065
Y CENTROID: -0.166
POA TO CENTROID: 0.179
HORZ SPREAD: 0.851
VERT SPREAD: 1.377
GROUP SPREAD: 1.421
MIN RADIUS: 0.085
MAX RADIUS: 0.792
MEAN RADIUS: 0.421
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.186	-0.949
2:	0.168	0.428
3:	-0.215	0.414
4:	-0.402	-0.096
5:	-0.301	-0.404
6:	0.209	-0.468
7:	0.449	-0.074
8:	0.143	-0.010
9:	0.097	-0.245
10:	0.317	-0.259



TARGET APPROX 1/2 SCALE

FINAL INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127

SERIAL # C6522194

INSPECTED BY: RJR

DATE REC'D: 9-30-03

DATE RET'D: 10-29-03

ITEM

BARREL ASSEMBLY

BARREL
RECEIVER
FRONT SIGHT BASE
REAR SIGHT BASE
SCREWS
FINISH

SCOPE ASSEMBLY

SCOPE
SCOPE RINGS
MOUNTING SCREWS
MOUNTING BASE
SCREWS
FINISH
CLARITY

ITEM

STOCK ASSEMBLY

STOCK
SLING AWIVEL STUDS
ADJUSTABLE
BUTT PLATE
LOCK NUTS
BARREL CLEARANCE
COLOR / FINISH

SYSTEMS CASE

SCOPE CASE
IRON SIGHTS
DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION
RE-SET TO FACTORY SPECS

COMMENTS:

R & E NUMBER	70735		
SERIAL NUMBER	C6522194		
LOG-IN DATE	9-30-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-3-03	RTL
560 A	RE-BARREL	10-7-03	RTL
B	DRILL AND TAP	10-9-03	TRW
575	ASSEMBLE	10-7-03	RTL
600	PROOF		
605	CHECK HEADSPACE	10-8-03	RTL
610	DIS-ASSEMBLE GUN	10-8-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-03	AB
618	ROTO-BLAST	10/13/2013	Davis
620	APPLY COATINGS	10-14	TA
625 A	FINAL ASSEMBLY	10-23-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-29-03	RW
655	FINAL INSPECT	10-30-03	RTL
660	PACK	10-30-03	AA
		SHIP DATE	
QAR INSPECTION DATE			

Remington



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

MODEL 700™ H24

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

Ø1

SERIAL NO.

C6522194

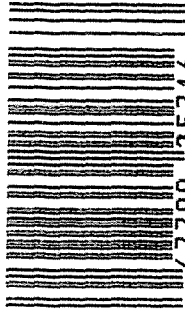
ORDER NO.

5716



5716 C6522194

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522194
11 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.136033
1 TO	2	.286566
1 TO	3	.12254
1 TO	4	.775307
1 TO	5	.0796053

4 $\bar{x}_2$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0634
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0752
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0983595

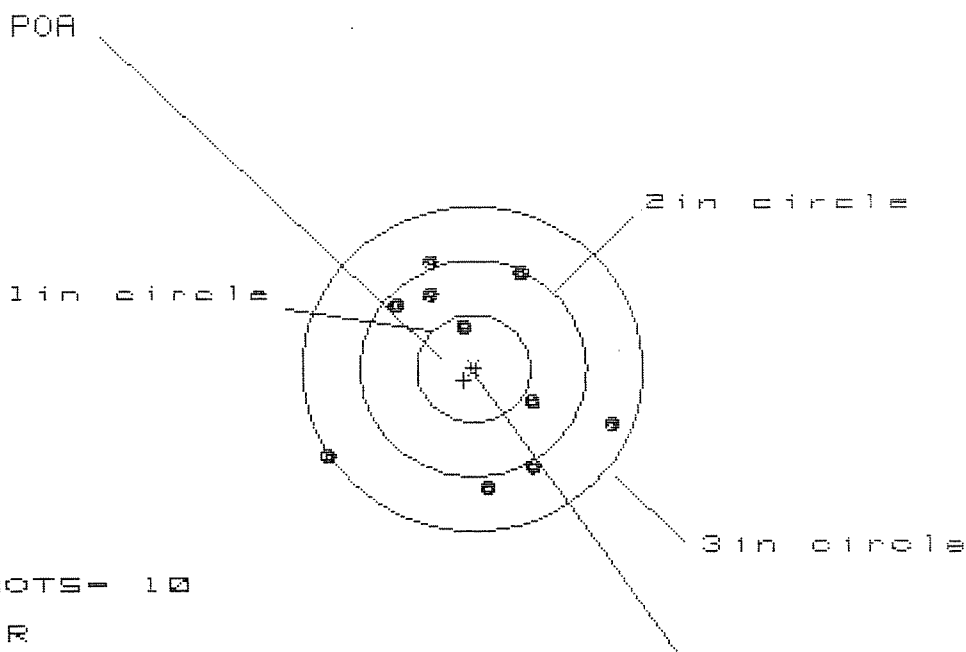
THE AMR FOR THIS RIFLE IS: 1.257

11 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522194

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.503

VS= 2.165

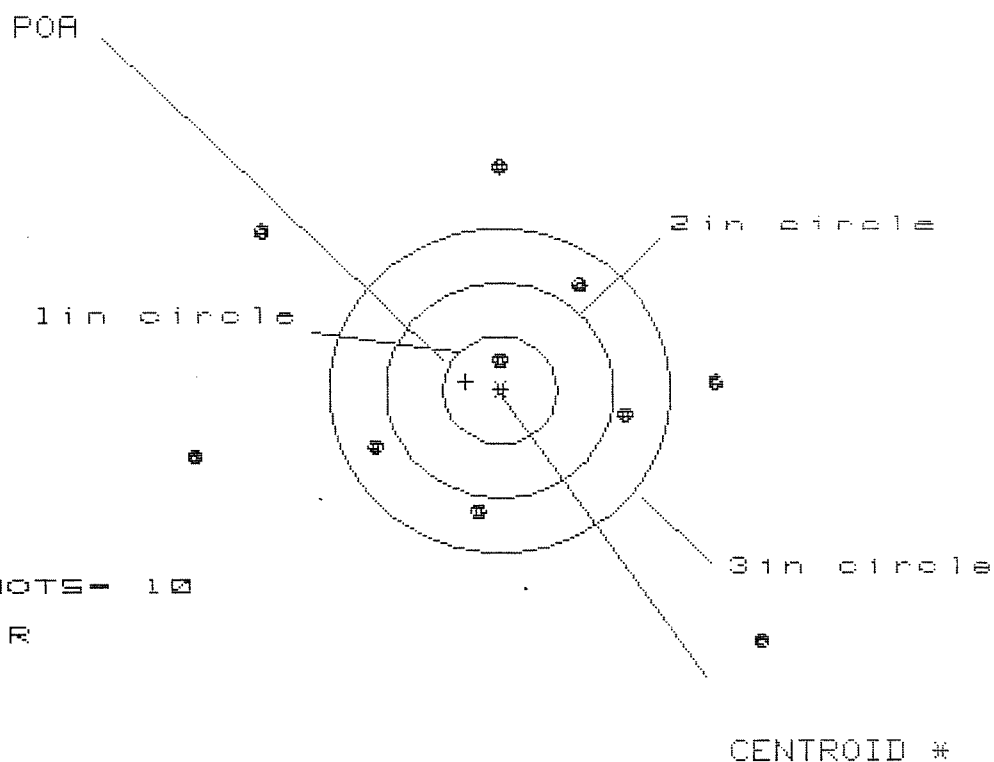
GS= 2.516

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.189	1.043	.536
MINIMUM X	:	-1.314	-.866	-.736
MAXIMUM Y	:	1.015	.930	.856
MINIMUM Y	:	-1.150	-1.235	-1.309
CENTROID X	:	.084	.230	.100
CENTROID Y	:	.107	.192	.266
POA TO CENTROID in.	:	.136	.299	.284
MIN RADIUS	:	.444	.430	.299
MEAN RADIUS	:	.980	.902	.839
MAX RADIUS	:	1.518	1.235	1.316
HORIZONTAL SPREAD	:	2.503	1.909	1.272
VERTICAL SPREAD	:	2.165	2.165	2.165
EXTREME SPREAD	:	2.516	2.220	2.220
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

11 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522194

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 1

3 in = 5

HS= 4.967

VS= 4.462

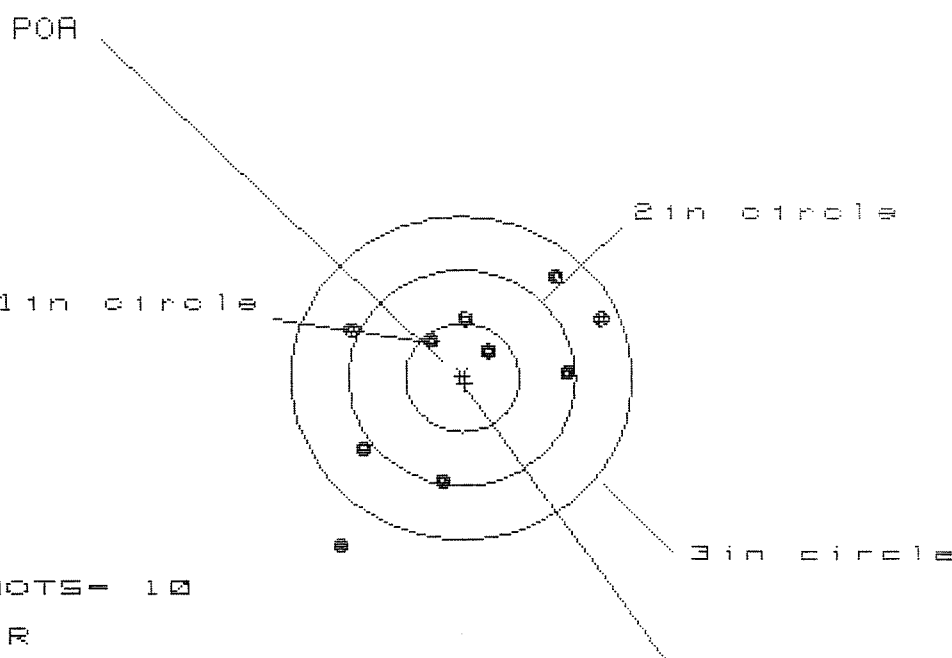
GS= 5.797

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.268	2.141	1.836
MINIMUM X	:	-2.699	-2.447	-2.178
MAXIMUM Y	:	2.123	1.863	1.756
MINIMUM Y	:	-2.339	-1.366	-1.473
CENTROID X	:	.302	.050	.355
CENTROID Y	:	-.079	.181	.288
POA TO CENTROID in.	:	.312	.188	.457
MIN RADIUS	:	.234	.266	.139
MEAN RADIUS	:	1.748	1.584	1.403
MAX RADIUS	:	3.259	2.590	2.430
HORIZONTAL SPREAD	:	4.967	4.588	4.014
VERTICAL SPREAD	:	4.462	3.229	3.229
EXTREME SPREAD	:	5.797	4.632	4.249
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		5	

11 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522194

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.288

VS= 2.509

GS= 3.149

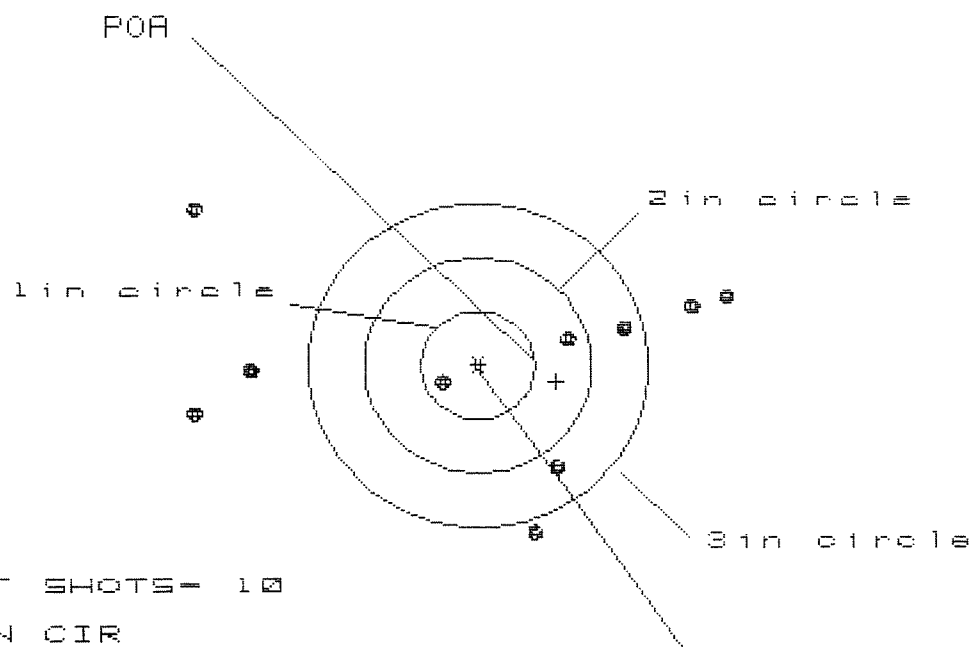
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.263	1.149	.965
MINIMUM X	:	-1.025	-1.071	-.927
MAXIMUM Y	:	.910	.733	.781
MINIMUM Y	:	-1.599	-1.145	-1.097
CENTROID X	:	-.026	.088	-.055
CENTROID Y	:	.053	.230	.182
POA TO CENTROID in.	:	.059	.247	.190
MIN RADIUS	:	.345	.134	.274
MEAN RADIUS	:	.993	.842	.799
MAX RADIUS	:	1.899	1.292	1.167
HORIZONTAL SPREAD	:	2.288	2.220	1.892
VERTICAL SPREAD	:	2.509	1.878	1.878
EXTREME SPREAD	:	3.149	2.463	2.319
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522194

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 4

HS= 4.636

VS= 2.963

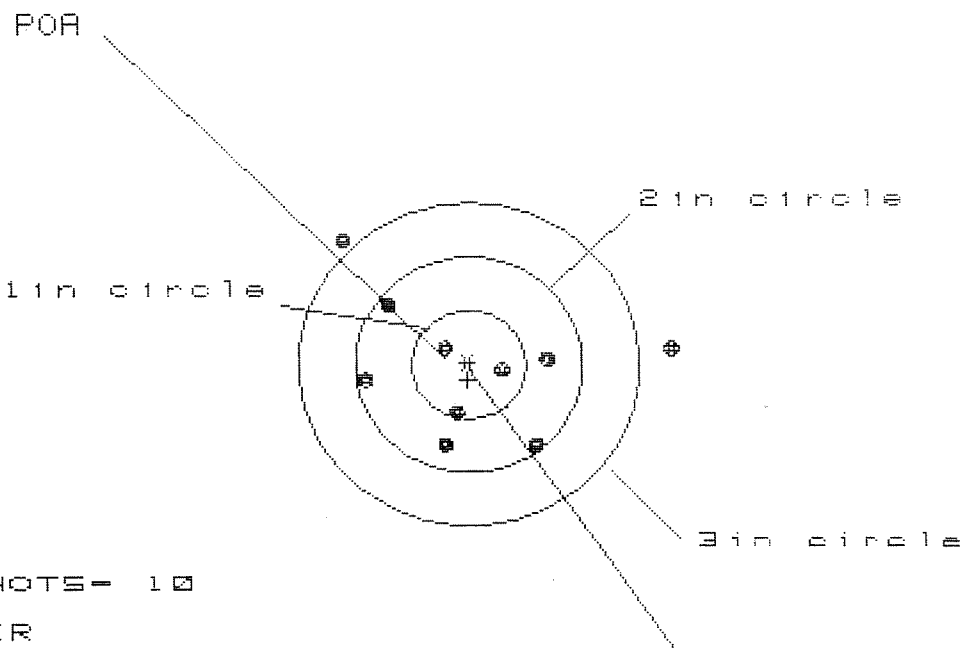
GS= 4.764

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.172	1.899	1.557
MINIMUM X	:	-2.464	-2.737	-2.641
MAXIMUM Y	:	1.420	.817	.782
MINIMUM Y	:	-1.543	-1.385	-1.420
CENTROID X	:	-.690	-.417	-.075
CENTROID Y	:	.152	-.006	.029
POA TO CENTROID in.	:	.707	.417	.080
MIN RADIUS	:	.364	.605	.383
MEAN RADIUS	:	1.690	1.505	1.281
MAX RADIUS	:	2.840	2.751	2.641
HORIZONTAL SPREAD	:	4.636	4.636	4.198
VERTICAL SPREAD	:	2.963	2.202	2.202
EXTREME SPREAD	:	4.764	4.764	4.265
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		4	

11 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522194

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 8

HS= 2.896

VS= 1.946

GS= 3.060

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.782	.853	.739
MINIMUM X	:	-1.114	-.916	-.823
MAXIMUM Y	:	1.186	1.208	.753
MINIMUM Y	:	-.760	-.738	-.587
CENTROID X	:	.013	-.185	-.071
CENTROID Y	:	.143	.121	-.030
POA TO CENTROID in.	:	.143	.221	.077
MIN RADIUS	:	.265	.138	.311
MEAN RADIUS	:	.872	.754	.636
MAX RADIUS	:	1.793	1.516	.992
HORIZONTAL SPREAD	:	2.896	1.769	1.562
VERTICAL SPREAD	:	1.946	1.946	1.340
EXTREME SPREAD	:	3.060	2.522	1.816
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6522194

DATE 9/8/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.33	2.33	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.32	2.24	2.44	
PULL #3	2.52	2.27	2.22	2.45	
PULL #4	2.53	2.32	2.24	2.39	
PULL #5	2.55	2.36	2.17	2.42	
TOTAL	12.55	11.60	11.20	12.15	
AVG.	2.51	2.32	2.24	2.43	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.12		
PULL #2	3.37	3.10		
PULL #3	3.18	3.16		
PULL #4	3.15	3.12		
PULL #5	3.16	3.15		
TOTAL	16.22	15.65		
AVG.	3.24	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.22		4.22
PULL #2	4.06	4.18		4.29
PULL #3	4.11	4.22		4.27
PULL #4	4.04	4.10		4.27
PULL #5	4.13	4.10		4.26
TOTAL	20.54	20.82		21.31
AVG.	4.11	4.16		4.26

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522194

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/1/90	KS
600	Proof		8/1/90	KS
607	Check Headspace		8/1/90	KS
610	Dis-assemble Gun		8/1/90	KS
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	LS
617	Drill and Tap Sight Holes		8/10/90	LB
618	Polish Barrel <i>RB</i>		8/14/90	WB
620	Apply Coatings (Barrel Action)		8-22-90	<i>TJA</i>
	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		9/8/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/8/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			9/8/90	WB
	H) Trigger Pull Test & Retainability						9/8/90	WB
	I) Firing Pin Indent	.0245	.025	.0245			9/8/90	WB
	J) Assemble Stock						9/9/90	KS
	K) Assemble Swivel Studs						9/13/90	JS
	L) Attach Front and Rear Sight Assemblies						9/9/90	KS
	M) Iron Sight Alignment						9/9/90	KS
	N) Detach Front & Rear Sights & place in numbered container						9/9/90	KS
	O) Attach Scope to Rifle						9/9/90	KS
	P) Detach & Attach Scope 20 Times						9/9/90	KS
640	Gallery Target & Test						9/11/90	KT
	A) Time						9/11/90	KT
	B) Malfunctions						9/11/90	KT
	C) Pierced Primers						9/11/90	KT
	D) Optical Clarity of Scope						9/11/90	KT
645	Inspect for Live Ammo						9/11/90	KT
655	Final Inspection							
	A) Headspace						9/13/90	JS
	B) Trigger Pull	2.45	2.44	2.45	2.39	2.42	9-12-90	JS
	C) Function						9/13/90	JS
660	Pack						9-17-90	DA