

C6522325

MODEL 700TM M24

Model SMS TM
Action _____

Barrel Length _____

Capacity _____

Order No. 5716

* Includes 1 in chamber.



Repair Number: RE00093000

Serial: C6522325 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 09/19/1990

Repairman:

Verify Repair:

Status:

Closed: 2/11/2005 7:31:54 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition:

Notes:

CSR:

Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglatj

2/14/2005

9:13 AM

CAPS

NUM

HNS

SCPL

start

5

2

3

Arms Service

5

Serial Number:

C6522325

Model: M24 SWS



RE00093000

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522325.___0
FILE DATE AND TIME: 03/28/2005 09:47

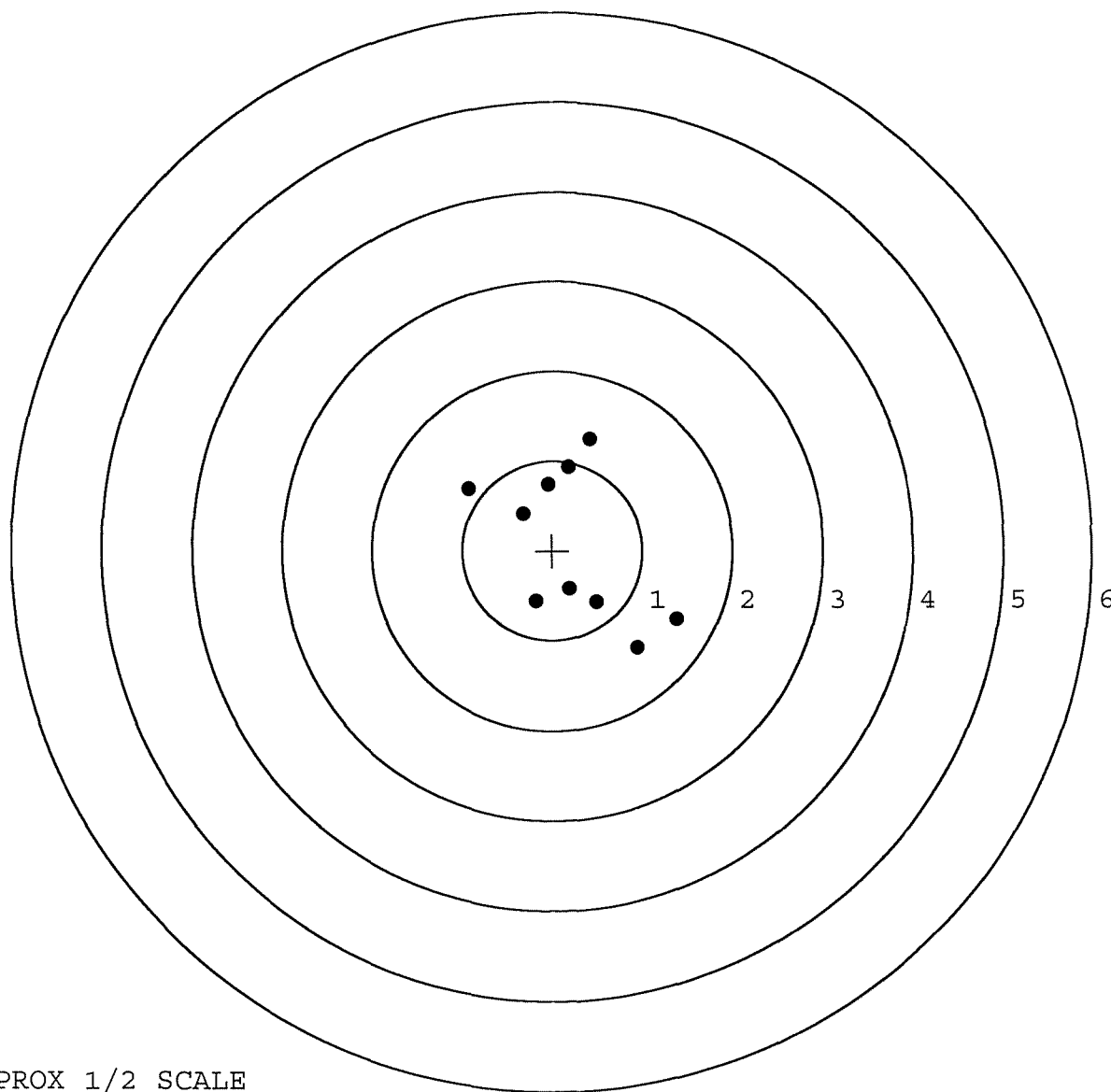
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.132
The Average Y Centroid of the Five Target Set:	0.176
The Average Point of Impact of the Five Target Set:	0.220
The Average Mean Radius of the Five Target Set:	0.912
The Distance from POA to Centroid Target #1:	0.220
The Distance from Centroid Target #2 to Centroid Target #1:	0.318
The Distance from Centroid Target #3 to Centroid Target #1:	0.158
The Distance from Centroid Target #4 to Centroid Target #1:	0.213
The Distance from Centroid Target #5 to Centroid Target #1:	0.274

SERIAL NUMBER: C6522325. __0
 TARGET NUMBER: 1
 FILE DATE: 03/28/2005
 FILE TIME: 09:47

X CENTROID: 0.212
 Y CENTROID: 0.059
 POA TO CENTROID: 0.220
 HORZ SPREAD: 2.302
 VERT SPREAD: 2.333
 GROUP SPREAD: 2.729
 MIN RADIUS: 0.489
 MAX RADIUS: 1.430
 MEAN RADIUS: 0.947
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.374	-0.774
2:	0.946	-1.088
3:	0.488	-0.574
4:	0.193	-0.430
5:	-0.189	-0.570
6:	0.426	1.245
7:	0.185	0.931
8:	-0.048	0.738
9:	-0.328	0.415
10:	-0.928	0.692

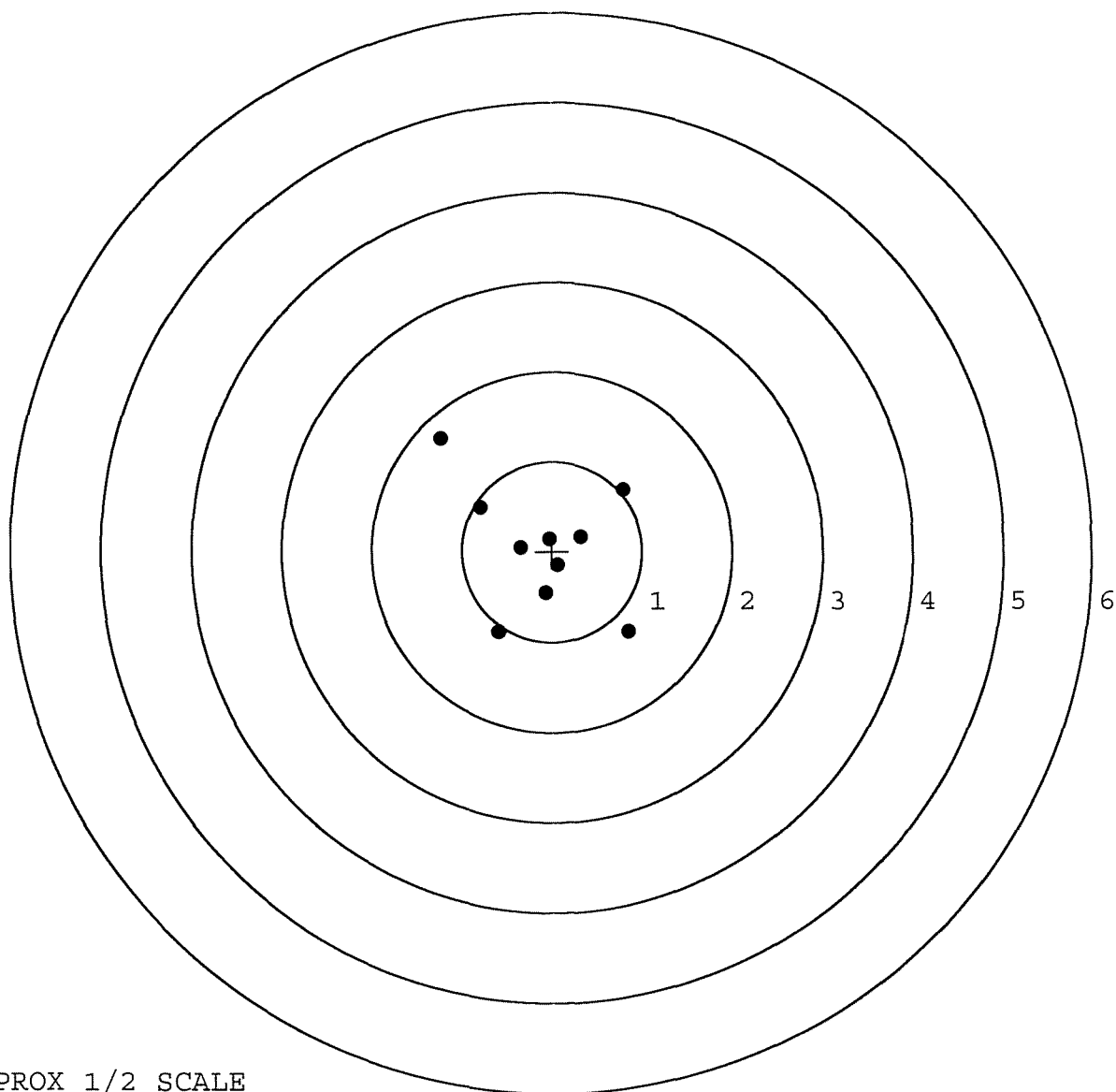


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522325. __0
 TARGET NUMBER: 2
 FILE DATE: 03/28/2005
 FILE TIME: 09:47

POINT#	X	Y
1:	0.853	-0.892
2:	-0.600	-0.890
3:	0.787	0.682
4:	0.325	0.163
5:	-0.797	0.489
6:	-1.232	1.257
7:	-0.033	0.135
8:	-0.352	0.041
9:	0.065	-0.154
10:	-0.074	-0.464

X CENTROID: -0.106
 Y CENTROID: 0.037
 POA TO CENTROID: 0.112
 HORZ SPREAD: 2.085
 VERT SPREAD: 2.149
 GROUP SPREAD: 2.994
 MIN RADIUS: 0.122
 MAX RADIUS: 1.661
 MEAN RADIUS: 0.755
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

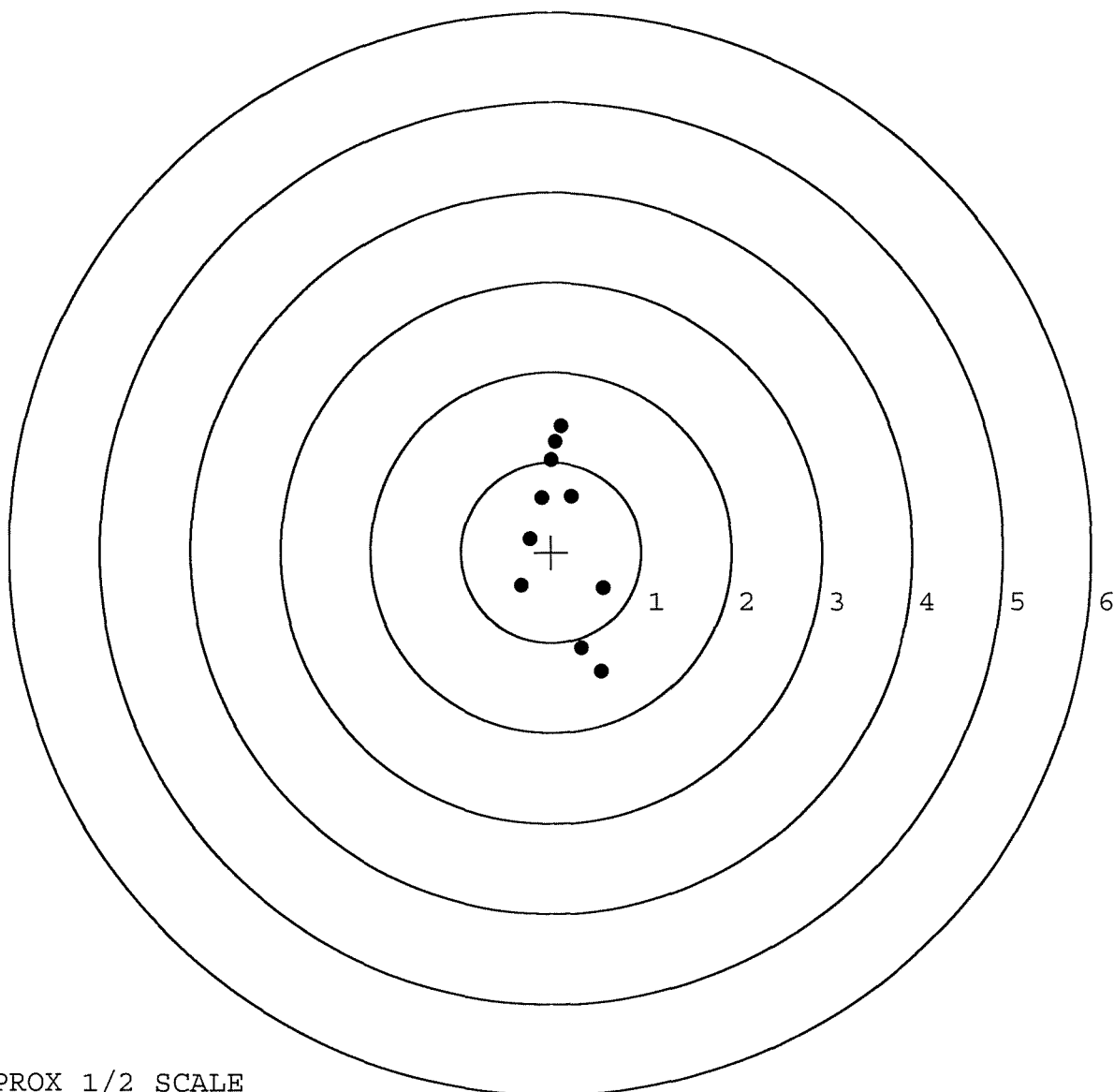


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522325. 0
 TARGET NUMBER: 3
 FILE DATE: 03/28/2005
 FILE TIME: 09:47

X CENTROID: 0.119
 Y CENTROID: 0.186
 POA TO CENTROID: 0.221
 HORZ SPREAD: 0.915
 VERT SPREAD: 2.718
 GROUP SPREAD: 2.753
 MIN RADIUS: 0.355
 MAX RADIUS: 1.572
 MEAN RADIUS: 0.867
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.559	-1.323
2:	0.337	-1.064
3:	0.580	-0.398
4:	-0.335	-0.367
5:	-0.234	0.151
6:	-0.112	0.602
7:	0.222	0.623
8:	0.005	1.023
9:	0.050	1.221
10:	0.119	1.395



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522325. __0

TARGET NUMBER: 4

FILE DATE: 03/28/2005

FILE TIME: 09:47

X CENTROID: 0.182

Y CENTROID: 0.270

POA TO CENTROID: 0.325

HORZ SPREAD: 2.251

VERT SPREAD: 2.553

GROUP SPREAD: 3.404

MIN RADIUS: 0.238

MAX RADIUS: 1.766

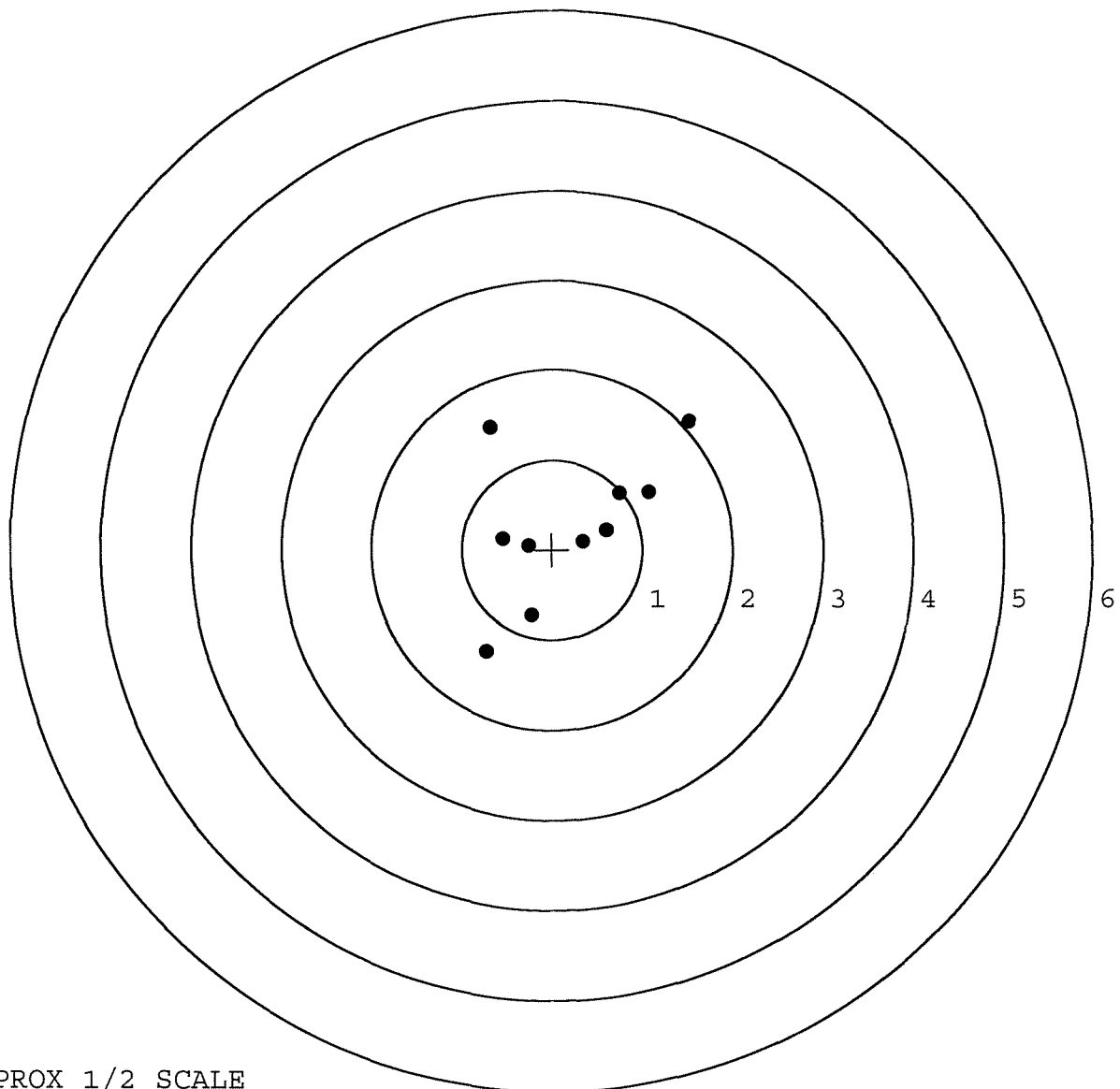
MEAN RADIUS: 0.945

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.072	0.640
2:	0.746	0.635
3:	0.603	0.222
4:	0.343	0.094
5:	-0.261	0.047
6:	-0.548	0.128
7:	-0.236	-0.729
8:	-0.733	-1.129
9:	-0.684	1.364
10:	1.518	1.424



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522325. __0

TARGET NUMBER: 5

FILE DATE: 03/28/2005

FILE TIME: 09:47

X CENTROID: 0.250

Y CENTROID: 0.330

POA TO CENTROID: 0.414

HORZ SPREAD: 2.696

VERT SPREAD: 2.235

GROUP SPREAD: 2.926

MIN RADIUS: 0.318

MAX RADIUS: 1.787

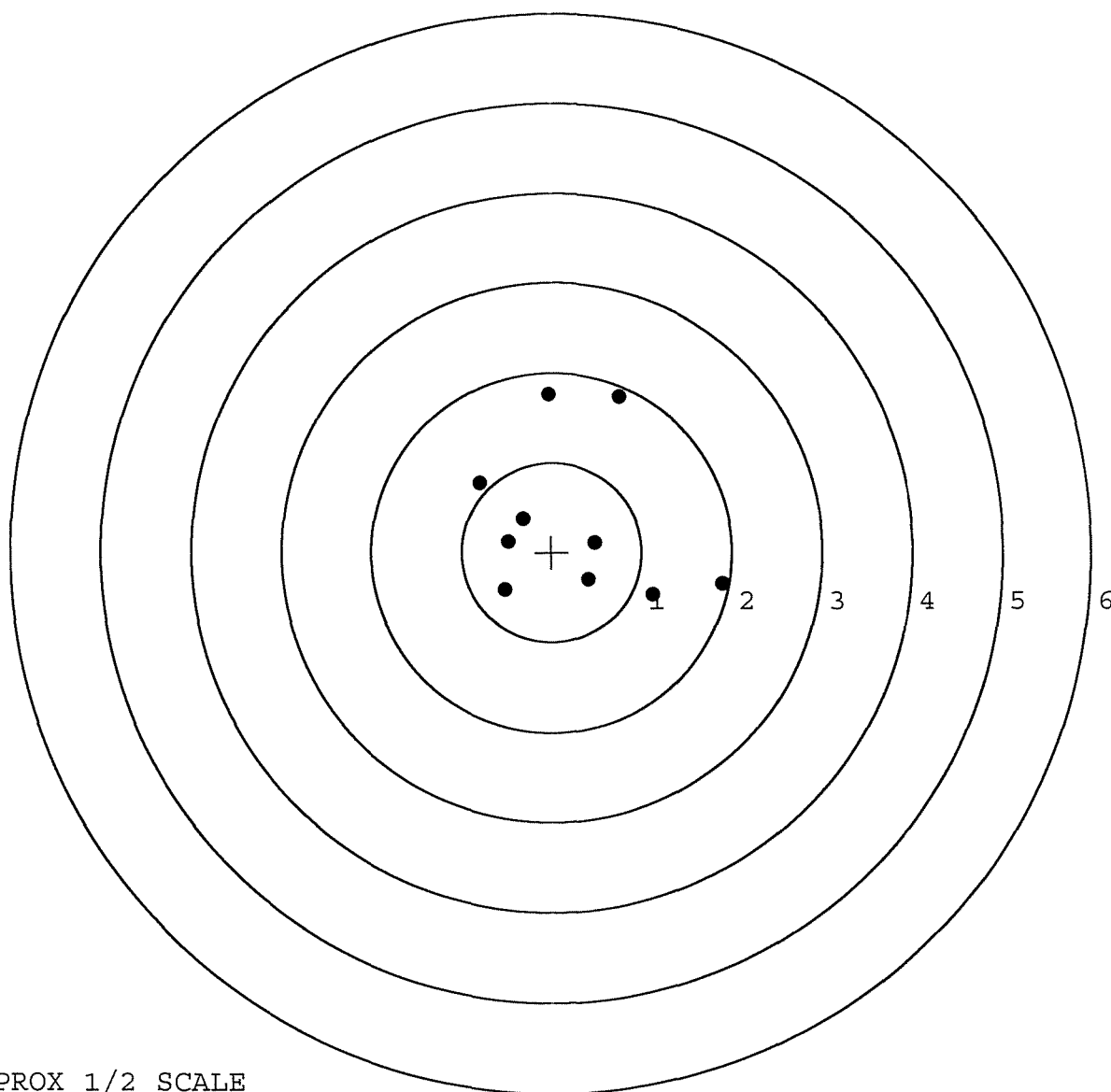
MEAN RADIUS: 1.045

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.899	-0.360
2:	1.123	-0.481
3:	0.482	0.112
4:	0.413	-0.309
5:	-0.325	0.375
6:	-0.481	0.124
7:	-0.521	-0.424
8:	-0.797	0.776
9:	-0.038	1.754
10:	0.749	1.733



TARGET APPROX 1/2 SCALE

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 2-18-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.16	2.81		2.38	
PULL #2	2.52	2.68		2.36	
PULL #3	2.54	2.64		2.37	
PULL #4	2.56	2.39		2.35	
PULL #5	2.70	2.44		2.36	
TOTAL	12.48	12.96		11.82	
AVERAGE	2.49	2.59		2.36	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.10		
PULL #2	3.58	3.21		
PULL #3	3.32	3.31		
PULL #4	3.41	3.20		
PULL #5	3.39	3.17		
TOTAL	17.01	15.99		
AVERAGE	3.40	3.19		

	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	4.23	4.03		4.08
PULL #2	4.20	4.00		4.07
PULL #3	4.19	3.98		4.12
PULL #4	4.02	3.91		4.01
PULL #5	4.09	3.90		4.02
TOTAL	20.73	19.82		20.30
AVERAGE	4.14	3.96		4.06

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

R & E NUMBER	93000		
SERIAL NUMBER	C6522325		
LOG-IN DATE	2-11-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-21-05	RTZ
560 A	RE-BARREL	2-22-05	RTZ
B	DRILL AND TAP	2-28-05	TRW
575	ASSEMBLE	2-23-05	RTZ
600	PROOF	2-24-05	AC
605	CHECK HEADSPACE	2-24-05	AC
610	DIS-ASSEMBLE GUN	2-24-05	RTZ
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	3-1-05	CW
618	ROTO-BLAST	3-3-05	LB
620	APPLY COATINGS	3/16/05	HP
625 A	FINAL ASSEMBLY	3-24-05	RTZ
B	TRIGGER PULL TEST	3-31-05	TRW
C	SAFETY "ON" FORCE	3-31-05	AC
D	SAFETY "OFF" FORCE	3-31-05	AC
E	FIRING PIN INDENT	3-31-05	AC
640	TARGET	3-28-05	TRW
655	FINAL INSPECT	3-31-05	AC
660	PACK	4-4-05	RA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington[®]

MODEL 700™ H24

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

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

RES. U.S. PAT. & T.M. OFF.

DU PONT

SERIAL NO.
C6522325

ORDER NO.
5716

01

5716 C6522325

UPC

0 47700 125716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522325
7 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.04005
1 TO	2	.273593
1 TO	3	.295357
1 TO	4	.539801
1 TO	5	.0385876

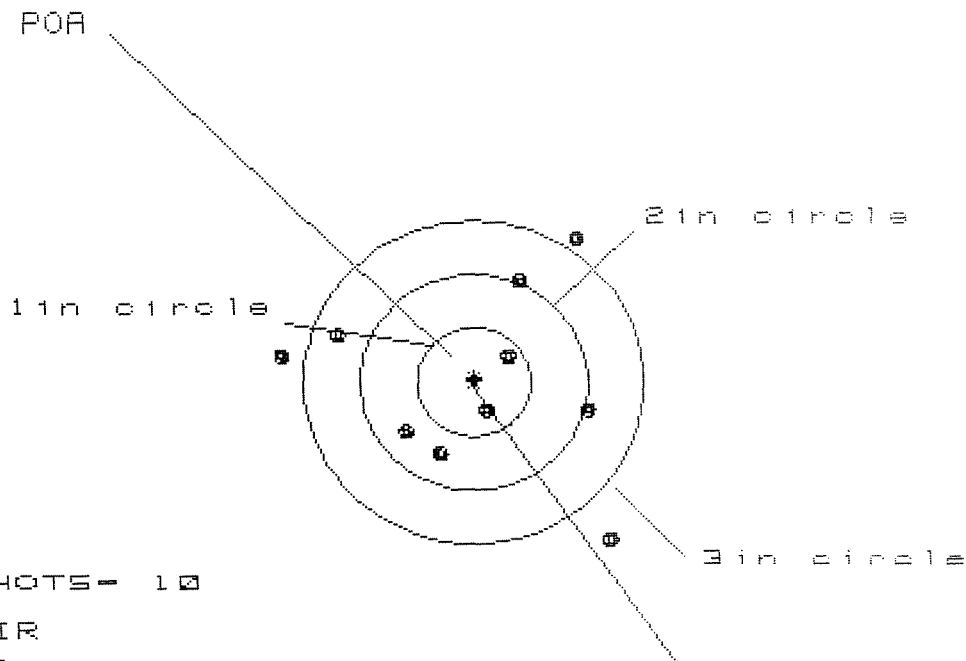
4 3 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0966
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1224
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .155927
THE AMR FOR THIS RIFLE IS: 1.214

6 Sep 1938

FILE:/PATTERNING/CENTERFIRE_PATT/06522325

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 7

HS = 2.856

VS = 2.844

GS = 3.330

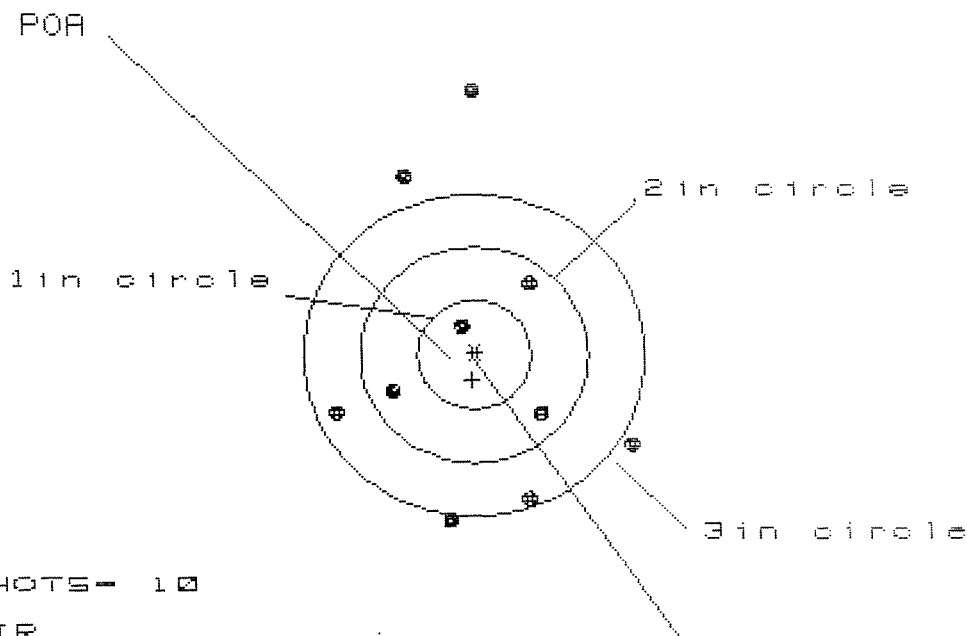
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.157	1.148	.952
MINIMUM X	-1.699	-1.571	-1.265
MAXIMUM Y	1.345	1.178	1.184
MINIMUM Y	-1.499	-.828	-.822
CENTROID X	-.002	-.130	.066
CENTROID Y	-.040	.127	.121
POA TO CENTROID in.	.040	.182	.138
MIN RADIUS	.296	.425	.240
MEAN RADIUS	1.066	.985	.881
MAX RADIUS	1.894	1.571	1.425
HORIZONTAL SPREAD	2.856	2.719	2.217
VERTICAL SPREAD	2.844	2.006	2.006
EXTREME SPREAD	3.330	2.799	2.334
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522325

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 2.616

VS= 3.973

GS= 3.977

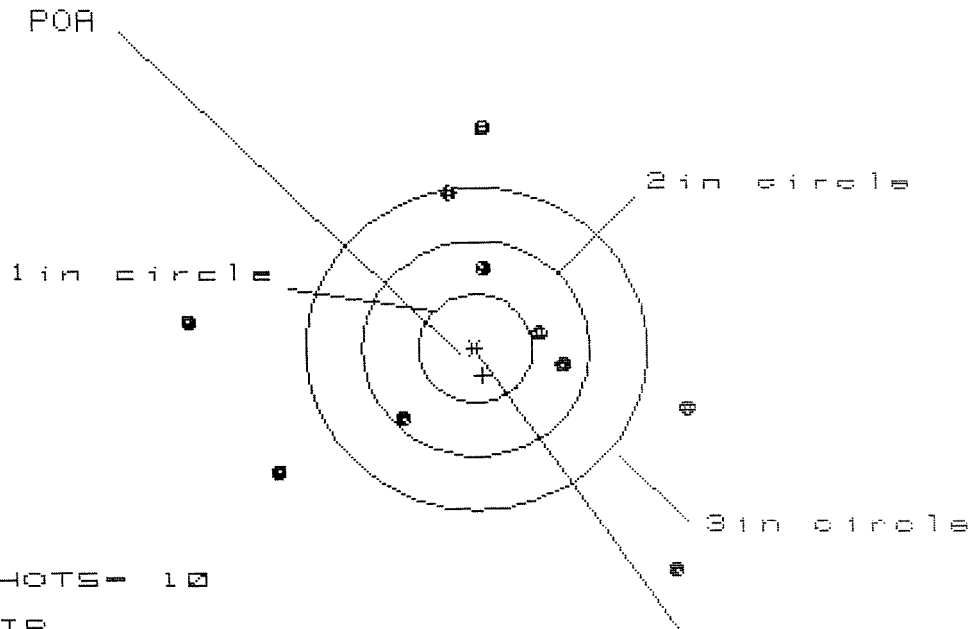
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.359	1.355	1.277
MINIMUM X	:	-1.257	-1.261	-1.339
MAXIMUM Y	:	2.487	1.949	1.215
MINIMUM Y	:	-1.486	-1.209	-.966
CENTROID X	:	.016	.020	.098
CENTROID Y	:	.233	-.044	-.287
POA TO CENTROID in.	:	.233	.048	.303
MIN RADIUS	:	.269	.537	.543
MEAN RADIUS	:	1.292	1.138	1.006
MAX RADIUS	:	2.488	2.045	1.340
HORIZONTAL SPREAD	:	2.616	2.616	2.616
VERTICAL SPREAD	:	3.973	3.158	2.181
EXTREME SPREAD	:	3.977	3.233	2.629
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522325

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 5

HS = 4.437

VS = 4.069

GS = 4.934

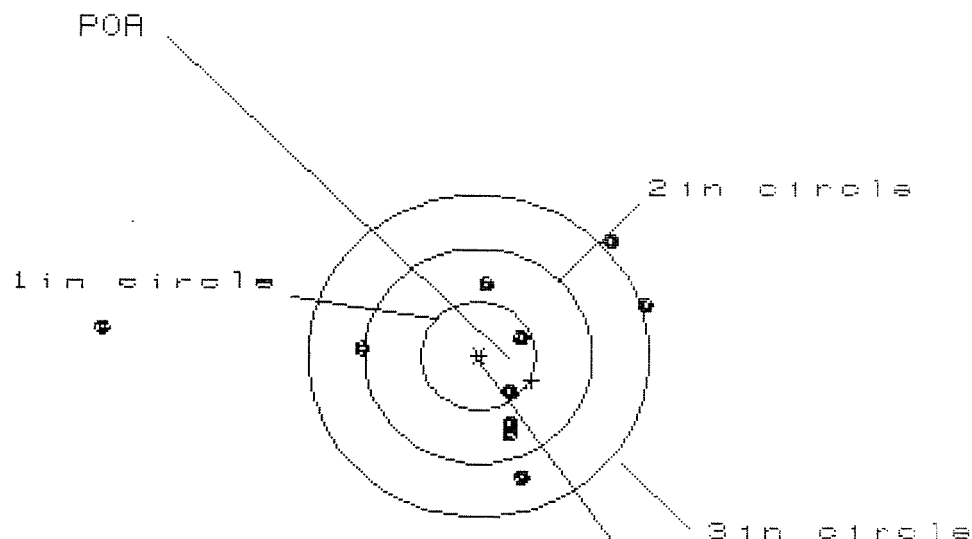
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.873	2.073	1.777
MINIMUM X	:	-2.564	-2.364	-1.868
MAXIMUM Y	:	2.005	1.776	1.778
MINIMUM Y	:	-2.064	-1.363	-1.361
CENTROID X	:	-.058	-.258	.038
CENTROID Y	:	.250	.479	.477
POA TO CENTROID in.	:	.256	.544	.479
MIN RADIUS	:	.558	.558	.455
MEAN RADIUS	:	1.581	1.445	1.267
MAX RADIUS	:	2.736	2.364	2.311
HORIZONTAL SPREAD	:	4.437	4.437	3.645
VERTICAL SPREAD	:	4.069	3.139	3.139
EXTREME SPREAD	:	4.934	4.511	3.688
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522325

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 4.798

VS= 2.200

GS= 4.801

CENTROID #

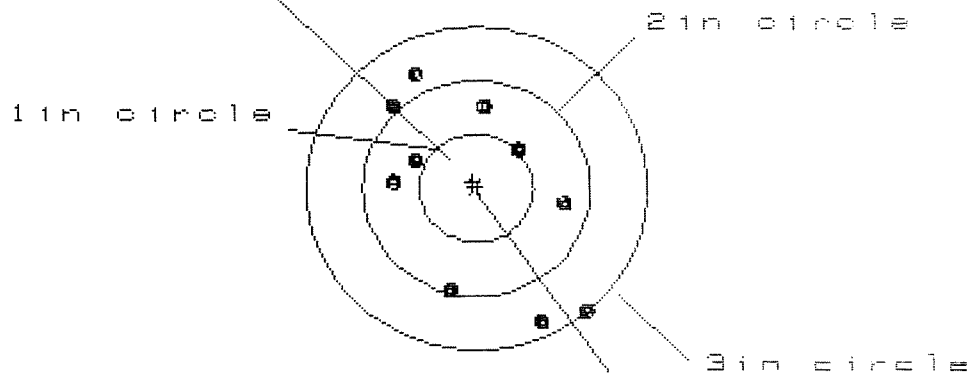
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.493	1.126	1.228
MINIMUM X	:	-3.305	-1.430	-1.327
MAXIMUM Y	:	1.070	1.104	.882
MINIMUM Y	:	-1.130	-1.096	-.958
CENTROID X	:	-.470	-.103	-.205
CENTROID Y	:	.229	.195	.057
POA TO CENTROID in.	:	.523	.221	.213
MIN RADIUS	:	.426	.205	.205
MEAN RADIUS	:	1.101	.864	.772
MAX RADIUS	:	3.318	1.438	1.388
HORIZONTAL SPREAD	:	4.798	2.556	2.556
VERTICAL SPREAD	:	2.200	2.200	1.840
EXTREME SPREAD	:	4.801	2.581	2.581
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522325

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 5

HS= 1.745

VS= 2.281

GS= 2.691

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.968	.877	.964
MINIMUM X	:	-.777	-.670	-.583
MAXIMUM Y	:	1.087	.958	.793
MINIMUM Y	:	-1.194	-1.323	-1.227
CENTROID X	:	.031	-.076	-.163
CENTROID Y	:	-.060	.069	.234
POA TO CENTROID in.	:	.068	.103	.286
MIN RADIUS	:	.555	.409	.310
MEAN RADIUS	:	.951	.856	.736
MAX RADIUS	:	1.511	1.495	1.229
HORIZONTAL SPREAD	:	1.745	1.547	1.547
VERTICAL SPREAD	:	2.281	2.281	2.020
EXTREME SPREAD	:	2.691	2.532	2.036
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C65 22325

DATE 8/30/90

TESTER JFL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.38	2.35	251	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.30	2.36	261	
PULL #3	2.36	2.32	2.40	267	
PULL #4	2.39	2.33	2.30	267	
PULL #5	2.36	2.32	2.32	265	
TOTAL	11.95	11.65	11.73		
AVG.	2.39	2.33	2.346		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.13		
PULL #2	3.25	3.12		
PULL #3	3.25	3.11		
PULL #4	3.18	3.11		
PULL #5	3.20	3.12		
TOTAL	16.14	15.59		
AVG.	3.228	3.118		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.23		4.22
PULL #2	4.21	4.26		4.26
PULL #3	4.20	4.21		4.24
PULL #4	4.20	4.19		4.24
PULL #5	4.22	4.20		4.26
TOTAL	21.05	21.09		21.22
AVG.	4.21	4.218		4.244

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522325

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 2	90	RW
600	Proof	8 2	90	RW
607	Check Headspace	8 2	90	RW
610	Dis-assemble Gun	8 2	90	RW
612	Magnaflux Barrel Action		8/4/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	JS
617	Drill and Tap Sight Holes		8/10/90	RB
618	Polish Barrel RB		8/14/90	WB
620	Apply Coatings (Barrel Action)		8/24/90	JS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/27/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/90	RW
	C) Inspect Ejector Hole for Chamfer		8/27/90	RW
	D) Oil Firing Pin Ass'y		8/27/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/30/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/30/90	WB
	G) Safety Off Force	3	3	3			8/30/90	WB
	H) Trigger Pull Test & Retainability						8/30/90	JH
	I) Firing Pin Indent	.022	.022	.022			8/30/90	WB
	J) Assemble Stock						9/5/90	RW
	K) Assemble Swivel Studs						9/5/90	JB
	L) Attach Front and Rear Sight Assemblies						9/5/90	RW
	M) Iron Sight Alignment						9/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/5/90	RW
	O) Attach Scope to Rifle						9/5/90	RW
	P) Detach & Attach Scope 20 Times						9/5/90	RW
640	Gallery Target & Test						9/6/90	KJ
	A) Time						9/6/90	KJ
	B) Malfunctions						9/6/90	KJ
	C) Pierced Primers						9/6/90	12J
	D) Optical Clarity of Scope						9/6/90	KJ
645	Inspect for Live Ammo						9/6/90	BJ
655	Final Inspection						9/8/90	JB
	A) Headspace						9/8/90	JB
	B) Trigger Pull	2.51	2.61	2.67	2.67	2.65	9/8/90	JB
	C) Function						9/8/90	JB
660	Pack						9/9/90	DA