

C6225158

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225158.___0
FILE DATE AND TIME: 06/07/2006 17:57

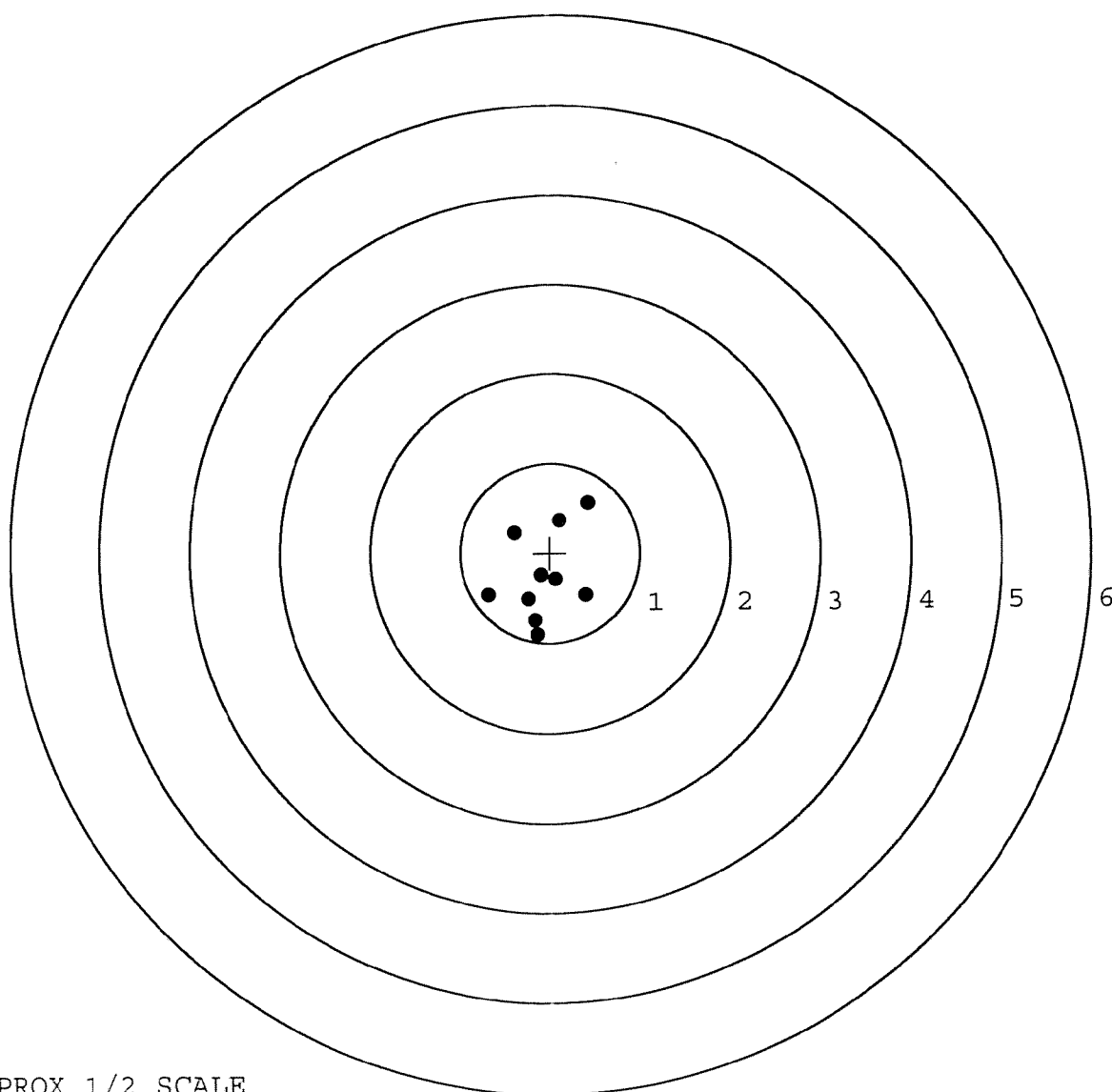
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.028
The Average Y Centroid of the Five Target Set:	-0.092
The Average Point of Impact of the Five Target Set:	0.096
The Average Mean Radius of the Five Target Set:	0.514
The Distance from POA to Centroid Target #1:	0.264
The Distance from Centroid Target #2 to Centroid Target #1:	0.177
The Distance from Centroid Target #3 to Centroid Target #1:	0.163
The Distance from Centroid Target #4 to Centroid Target #1:	0.230
The Distance from Centroid Target #5 to Centroid Target #1:	0.510

SERIAL NUMBER: C6225158. __0
TARGET NUMBER: 1
FILE DATE: 06/07/2006
FILE TIME: 17:57

POINT#	X	Y
1:	0.424	0.560
2:	0.109	0.365
3:	-0.398	0.227
4:	-0.689	-0.473
5:	0.399	-0.475
6:	0.063	-0.299
7:	-0.101	-0.253
8:	-0.241	-0.517
9:	-0.168	-0.755
10:	-0.145	-0.917

X CENTROID: -0.075
Y CENTROID: -0.254
POA TO CENTROID: 0.264
HORZ SPREAD: 1.113
VERT SPREAD: 1.477
GROUP SPREAD: 1.583
MIN RADIUS: 0.026
MAX RADIUS: 0.954
MEAN RADIUS: 0.501
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

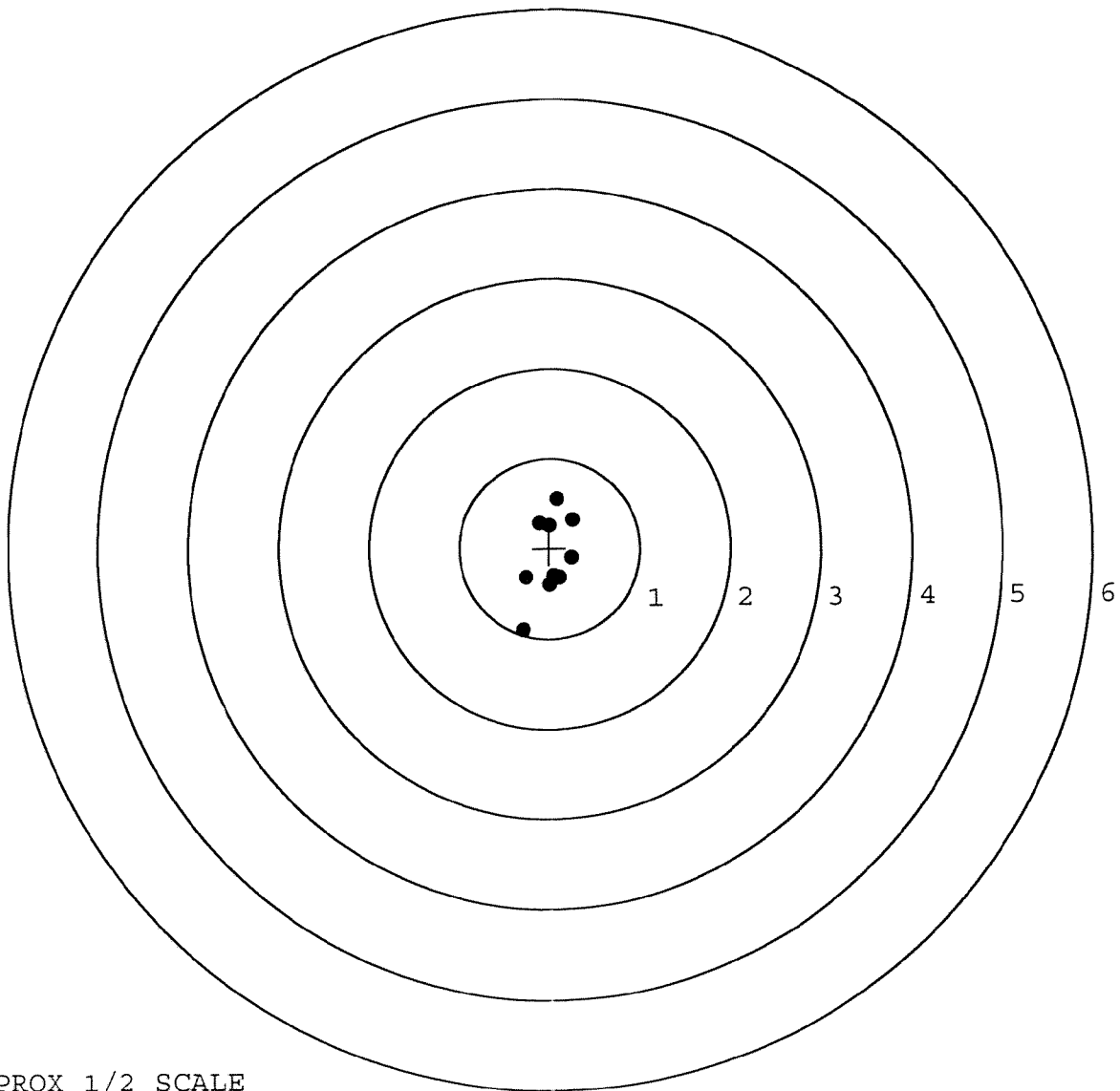


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225158. __0
TARGET NUMBER: 2
FILE DATE: 06/07/2006
FILE TIME: 17:57

X CENTROID: 0.010
Y CENTROID: -0.098
POA TO CENTROID: 0.099
HORZ SPREAD: 0.561
VERT SPREAD: 1.450
GROUP SPREAD: 1.502
MIN RADIUS: 0.217
MAX RADIUS: 0.861
MEAN RADIUS: 0.413
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.092	0.548
2:	-0.107	0.283
3:	0.263	0.315
4:	0.251	-0.112
5:	0.053	-0.311
6:	-0.264	-0.322
7:	0.000	-0.408
8:	-0.298	-0.902
9:	0.114	-0.331
10:	0.000	0.259

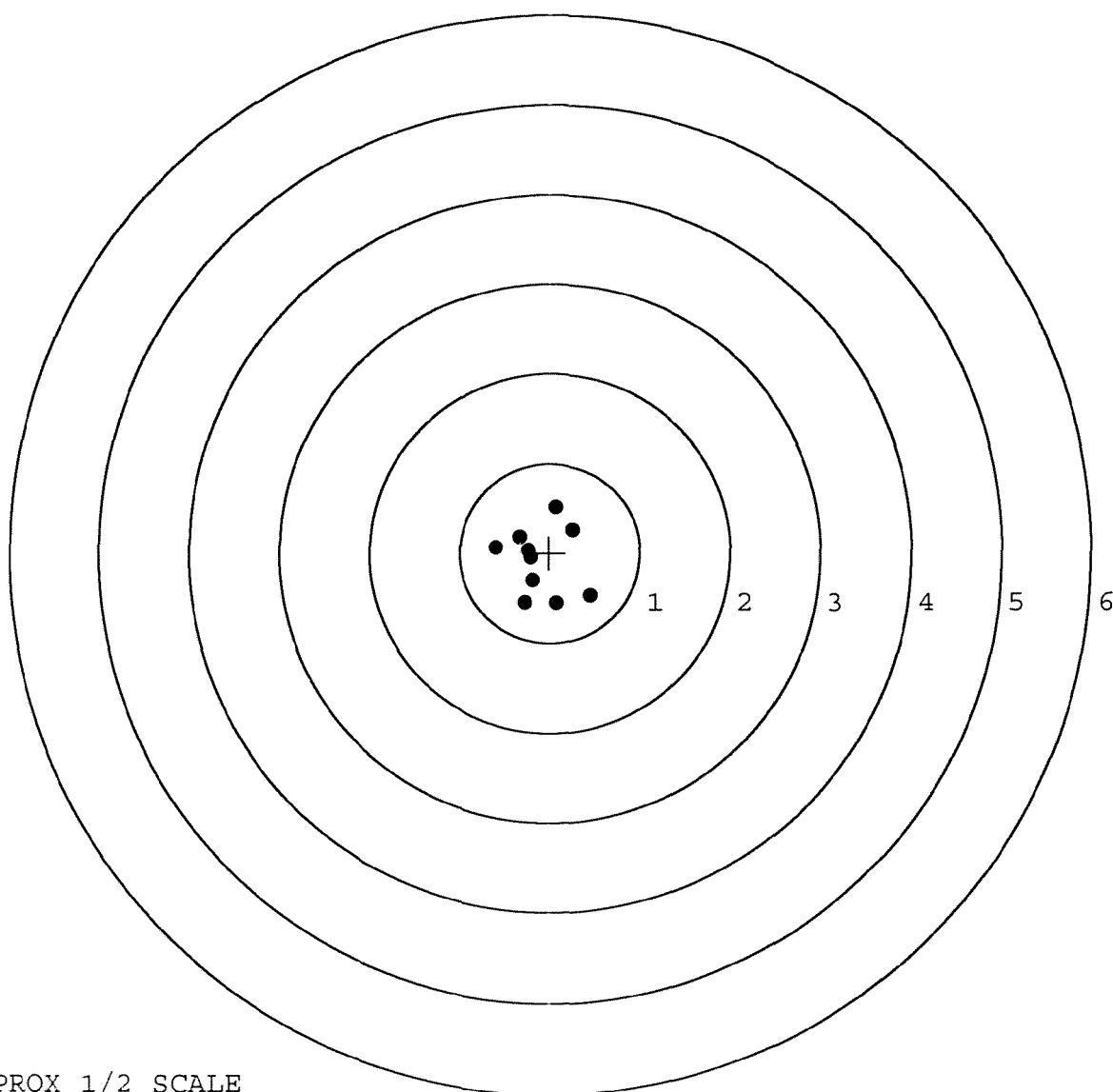


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225158. __0
TARGET NUMBER: 3
FILE DATE: 06/07/2006
FILE TIME: 17:57

X CENTROID: -0.099
Y CENTROID: -0.092
POA TO CENTROID: 0.135
HORZ SPREAD: 1.045
VERT SPREAD: 1.072
GROUP SPREAD: 1.176
MIN RADIUS: 0.114
MAX RADIUS: 0.670
MEAN RADIUS: 0.420
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.071	0.511
2:	0.257	0.259
3:	-0.594	0.064
4:	-0.339	0.175
5:	-0.208	-0.058
6:	-0.192	-0.307
7:	-0.275	-0.556
8:	0.076	-0.561
9:	0.451	-0.475
10:	-0.237	0.027

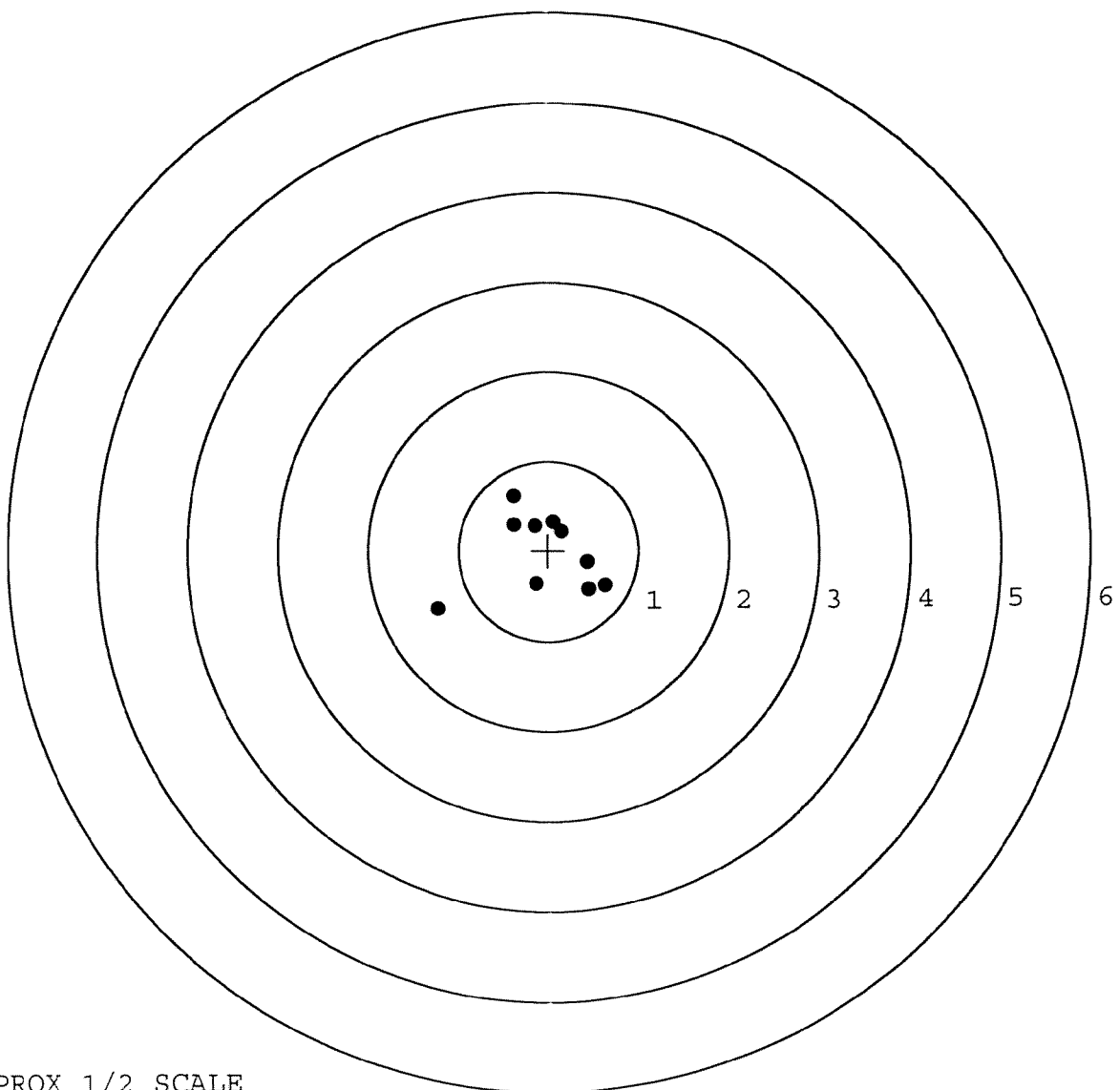


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225158. 0
TARGET NUMBER: 4
FILE DATE: 06/07/2006
FILE TIME: 17:57

X CENTROID: -0.058
Y CENTROID: -0.024
POA TO CENTROID: 0.063
HORZ SPREAD: 1.860
VERT SPREAD: 1.244
GROUP SPREAD: 1.876
MIN RADIUS: 0.312
MAX RADIUS: 1.324
MEAN RADIUS: 0.576
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.386	0.609
2:	-0.384	0.290
3:	0.054	0.325
4:	0.151	0.217
5:	0.427	-0.133
6:	0.627	-0.388
7:	0.442	-0.432
8:	-0.134	-0.368
9:	-1.233	-0.635
10:	-0.149	0.274

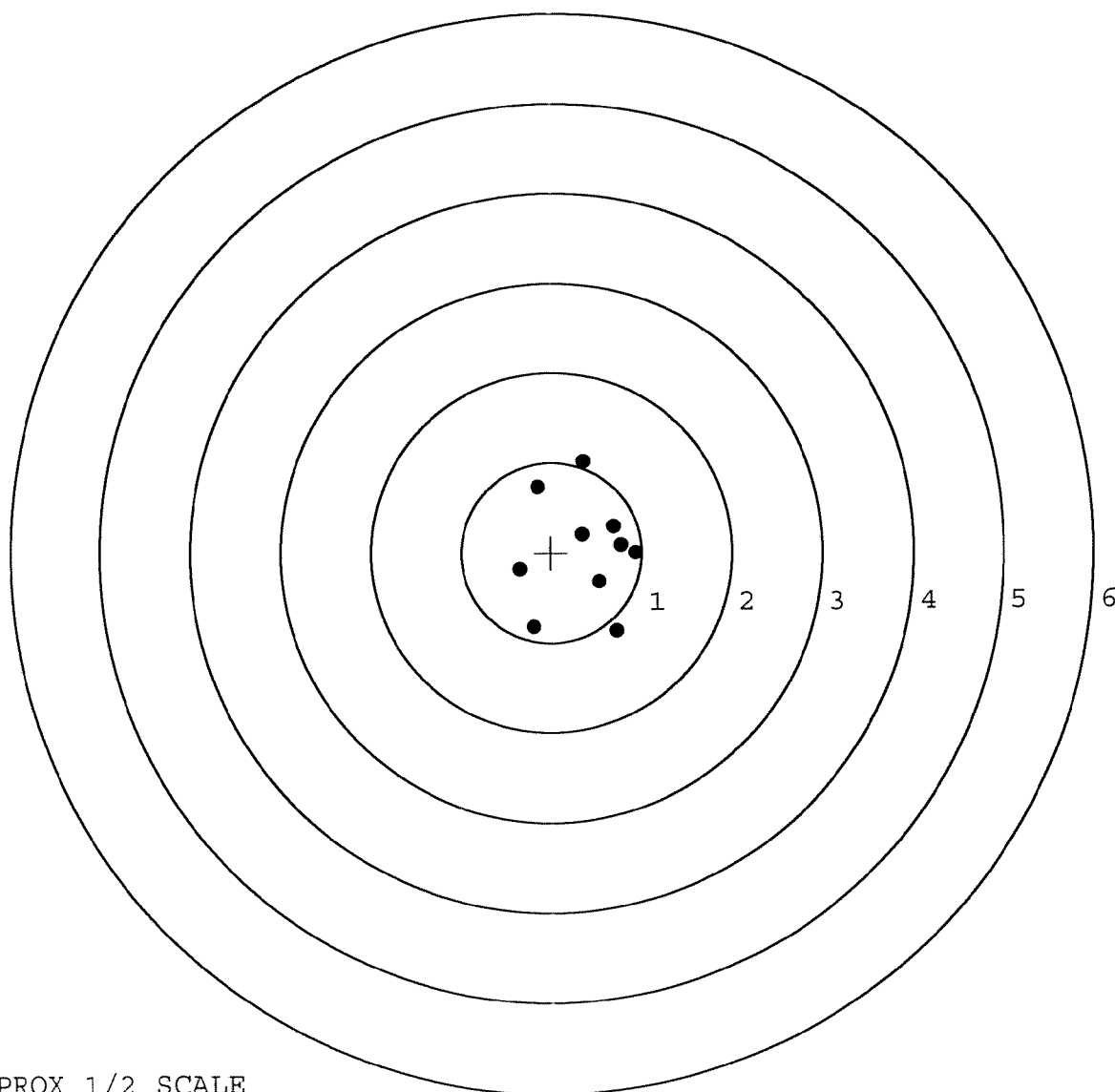


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225158. __0
TARGET NUMBER: 5
FILE DATE: 06/07/2006
FILE TIME: 17:57

X CENTROID: 0.363
Y CENTROID: 0.008
POA TO CENTROID: 0.363
HORZ SPREAD: 1.281
VERT SPREAD: 1.882
GROUP SPREAD: 1.918
MIN RADIUS: 0.196
MAX RADIUS: 1.009
MEAN RADIUS: 0.657
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.147	0.731
2:	0.355	1.007
3:	0.342	0.203
4:	0.687	0.293
5:	0.769	0.081
6:	0.928	-0.007
7:	0.527	-0.332
8:	0.720	-0.875
9:	-0.200	-0.829
10:	-0.353	-0.191



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)

DATE 4-28-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	245	250		256	
PULL #2	246	247		245	
PULL #3	251	247		256	
PULL #4	251	242		255	
PULL #5	249	245		248	
TOTAL	1242	1231		1260	
AVERAGE	248	246		252	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	305	311		
PULL #2	302	298		
PULL #3	302	307		
PULL #4	302	307		
PULL #5	301	310		
TOTAL	1512	1533		
AVERAGE	302	306		

	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	412	416		4.02
PULL #2	414	422		4.01
PULL #3	413	424		4.17
PULL #4	415	421		4.15
PULL #5	416	414		3.95
TOTAL	2070	2097		20.30
AVERAGE	414	419		4.06

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

R & E NUMBER	112699			
SERIAL NUMBER	C6225158			
LOG-IN DATE	5-23-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		5-25-06	RTZ
505	RE-BARREL		5-26-06	RTZ
560	ASSEMBLE		5-30-06	RTZ
600	PROOF	MAGNA-FLUX INSPECTED	5-30-06	TRW
605	CHECK HEADSPACE		5-30-06	TRW
610	DIS-ASSEMBLE GUN	JUN 02 2006	6-1-06	RTZ
612	MAGNAFLUX	OPERATOR <u>CPD</u>	6-2-06	APL
510	DRILL AND TAP		6-1-06	TRW
615	ROLLMARK CALIBER		6-2-06	CW
618	ROTO-BLAST		6-2-06	UB
620	APPLY COATINGS		6/5/06	TRW
625	FINAL ASSEMBLY		6-7-06	RTZ
640	FUNCTION TEST AND	<u>PASS</u> FAIL	6-7-06	TRW
650	TARGET	<u>PASS</u> FAIL	6-7-06	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		6-8-06	AC
	A) HEADSPACE	<u>PASS</u> FAIL	6-8-06	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.86 2.93 2.85 2.75 2.76	6-8-06 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.0 5.0 4.5	6-8-06 DA
	G) SAFETY OFF FORCE	2 LBS MIN	3.0 3.0 3.0	6-8-06 DA
	I) FIRING PIN INDENT	.020	.020 .021 .020	6-8-06 DA
690	PACK		6-9-06	DA




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

REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

SERIAL NO.
C6225158

ORDER NO.
5716

Ø1



5716 C6225158

UPC



0 47700 25716 7

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 96-02144

INITIAL CUSTOMER ORDER NO.

SNIPER M-24

FPS 10798

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

01/17/96

01/17/96

PJ 6-89

C6225158

700

7.62

NATO

ACCESSORIES

W/STUDS

SOFT CASE

SCOPE BASE

FROM:

CPT. DRAGNETT
HSC 217TH SFG (A)
BLDG E-3928
FT BRAGG

NC 28307

SHIP TO:

~~CPT. DRAGNETT~~
~~HSC 217TH SFG (A)~~
~~BLDG E-3928~~
~~FT BRAGG~~Commander
C. D. 2/9 SFG (A)
BLDG E-3323
FT. BRAGG, NC
Attn: S-4
NC
28307

CUST NO: 136557 C.O.D. W HOTO

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

DOOR

GUN CONDITION

- ☐
- NEW
-
- ☐
- LIGHTLY WORN
-
- ☐
- WORN
-
- ☐
- VERY WORN
-
- ☐
- UNREPAIRABLE
-
- ☐
- MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

META

C2

MAIN FAULT

PARTS

W 52 H 0960 17 H 244

COMMENTS

Repowder Coat - Trigger Guard
Assy Front & Rear Sight Bases
Re Line - Scope Base, &
Swivel StudsBarrel - 96003
Mag Spring 15677

Shot with Slave Scope

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

RW

1/22/96

1/27/96

1/29/96

1/29/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400009650

RD-6947-Rev 3

PAYMENT:

Mastercard / Visa (circle one)

Card #: _____

Exp. Date: _____

Signature: _____

RETURN:

☐ Clark Street Entrance

☒ Via US Mail or UPS

(PLEASE PRINT CLEARLY)

FIREARMS DELIVERED TO PLANT

FILE NO 010798

DATE 1/17/96

CUSTOMER NAME: WARREN C DEMAREST REMINGTON EMPLOYEE:

ADDRESS: DCO 2ND BN 1ST SWTG YES ☐ NO ☒

FT. BRAGG, NC EMPLOYEE # X

ZIP: ~~28307~~ 28307 DEPT. # _____

PHONE: (910) 432-9037

FIREARM MODEL: M24 CHECK FOR AMMUNITION ☒

GAUGE: 7.62

SERIAL # C6225158

CONDITION:

N/A WOOD GOOD FAIR POOR FANCY PLAIN
METAL GOOD FAIR POOR FANCY PLAIN
BARREL VT. RIB PLAIN DEER RSS

ACCESSORIES:

SCOPE: YES NO (BRAND NAME/POWER) _____

SLING: YES NO GUN CASE: YES NO (HARD - SOFT)

EXTRA BBL FOR GUN MENTIONED ABOVE:

OTHER (Note in this area items missing or added from orig. equipment)

CUSTOMER REQUEST: REPAIR PER CONTRACT

SIGNATURE: Warren C Demarest DATE: 17 JAN 96
(Person delivering firearm to Plant)

SIGNATURE: M. Soren DATE: 1/17/96
(Security Officer)

SIGNATURE: Richard Wright DATE: _____
(Firearm picked up by)

Arm Service Copy

M-24

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6225158

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		1/22/96	RW
600	Proof		1/22/96	RW
607	Check Headspace		1/22/96	RW
610	Dis-assemble Gun		1/22/96	RW
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		1/22/96	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/22/96	RW
	C) Inspect Ejector Hole for Chamfer		1/22/96	RW
	D) Oil Firing Pin Ass'y		1/22/96	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force					
	G) Safety Off Force					
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent					
	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				1/29/96	WS
	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					
	C) Function					
660	Pack					

Final Inspection

Sn: C6225/58

DATE REC'D: 1/17/96

DATE RET'D:

Auditor: RW

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☐ Scope☐ Scope Rings☐ Mounting Screws☐ Mounting Base☐ Screws☐ Finish☐ Looseness☐ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ Stock☒ Sling Swivel Studs☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ IRON SIGHTS☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225158
3 Jan 1988

CENTROIDAL DISTANCES

0 TO	1	1.91702
1 TO	2	.282392
1 TO	3	.283185
1 TO	4	.137801
1 TO	5	.290947

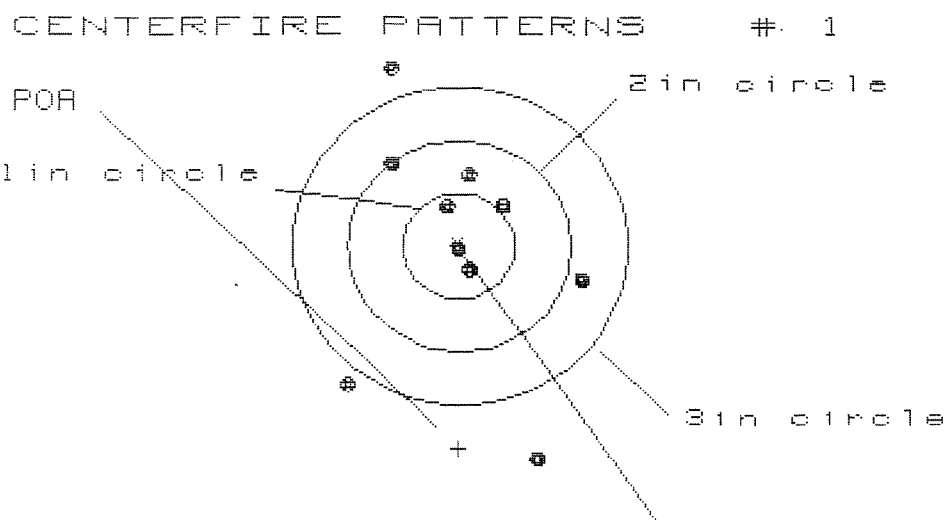
$\frac{2f}{3}$

+ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.029
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.8024
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.80263
THE AMP FOR THIS RIFLE IS: .913

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225158



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 7

HS= 2.061

VS= 3.761

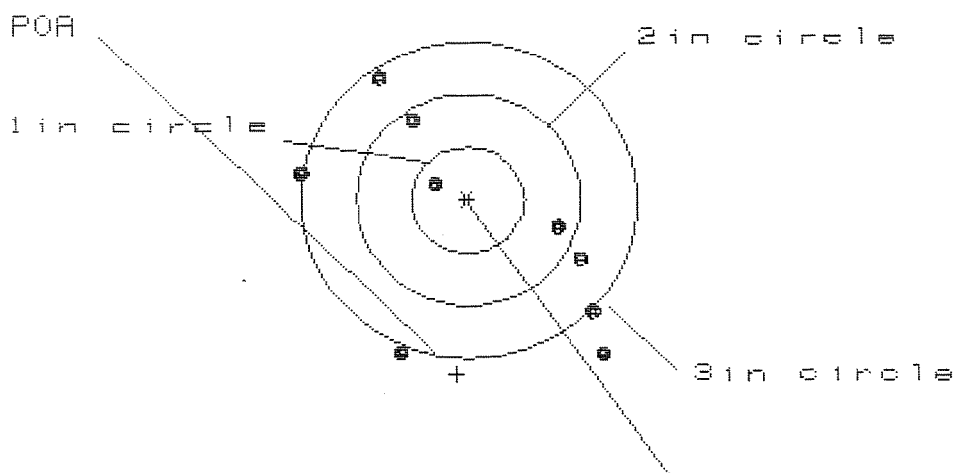
GS= 3.984

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.062	1.140	1.072
MINIMUM X	:	-0.999	-0.921	-0.989
MAXIMUM Y	:	1.702	1.474	1.708
MINIMUM Y	:	-2.059	-1.504	-1.320
CENTROID X	:	0.008	-0.070	-0.002
CENTROID Y	:	1.917	2.145	1.961
POA TO CENTROID in.	:	1.917	2.147	1.961
MIN RADIUS	:	0.037	0.173	0.054
MEAN RADIUS	:	0.955	0.795	0.691
MAX RADIUS	:	2.174	1.764	1.649
HORIZONTAL SPREAD	:	2.061	2.061	2.061
VERTICAL SPREAD	:	3.761	2.978	2.028
EXTREME SPREAD	:	3.984	3.003	2.281
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	7		

2 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06225158

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 5

HS= 2.632

VS= 3.884

GS= 4.196

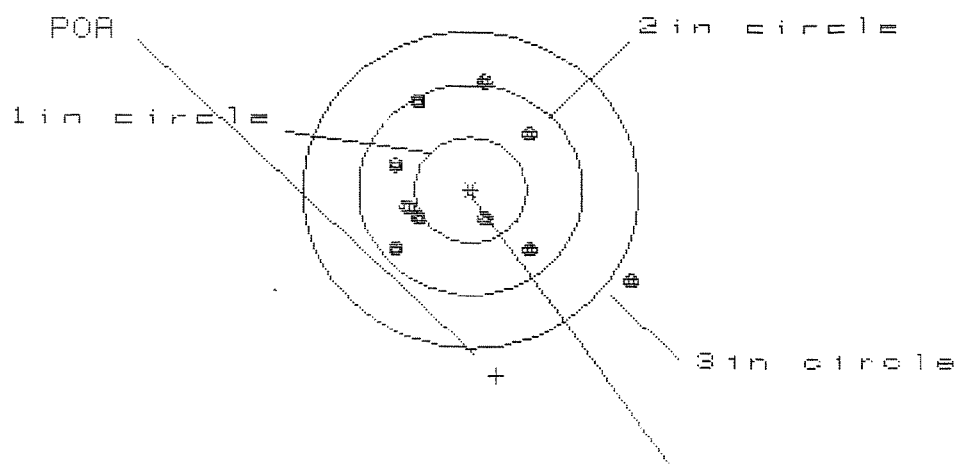
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.155	1.107	1.214
MINIMUM X	:	-1.477	-1.525	-1.387
MAXIMUM Y	:	2.405	1.462	1.310
MINIMUM Y	:	-1.479	-1.211	-1.309
CENTROID X	:	.097	.145	.007
CENTROID Y	:	1.649	1.381	1.533
POA TO CENTROID in.	:	1.652	1.389	1.533
MIN RADIUS	:	.318	.525	.320
MEAN RADIUS	:	1.356	1.226	1.154
MAX RADIUS	:	2.444	1.687	1.528
HORIZONTAL SPREAD	:	2.632	2.632	2.601
VERTICAL SPREAD	:	3.884	2.673	2.619
EXTREME SPREAD	:	4.196	3.308	2.947
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	5		

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225158

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS= 2.085

VS= 1.859

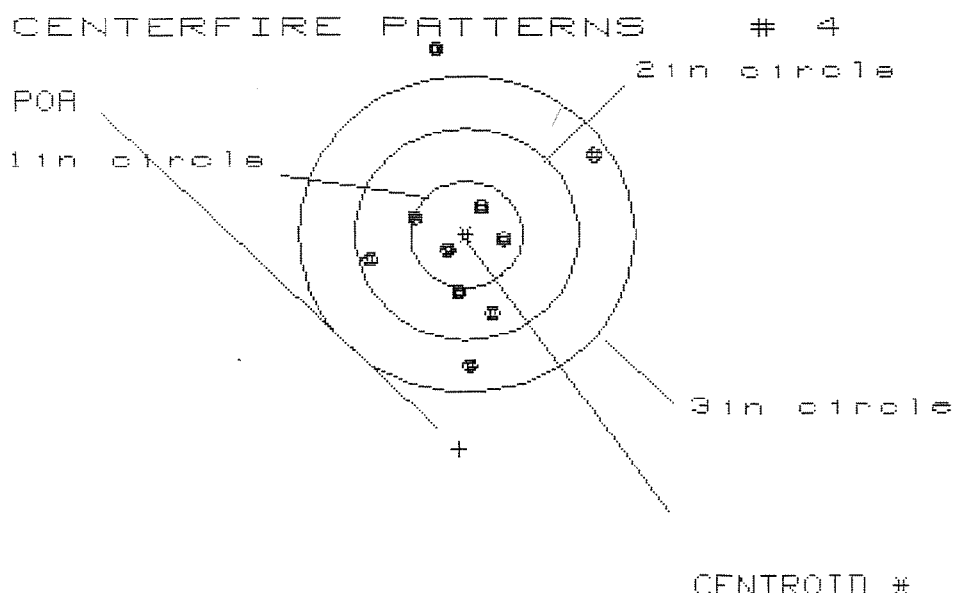
GS= 2.589

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.444	.736	.767
MINIMUM X	:	-.641	-.481	-.450
MAXIMUM Y	:	1.004	.909	.886
MINIMUM Y	:	-.000	-.000	-.007
CENTROID X	:	-.229	-.389	-.420
CENTROID Y	:	1.762	1.857	1.744
POA TO CENTROID in.	:	1.777	1.898	1.794
MIN RADIUS	:	.249	.421	.371
MEAN RADIUS	:	.817	.701	.647
MAX RADIUS	:	1.678	.982	.955
HORIZONTAL SPREAD	:	2.085	1.217	1.217
VERTICAL SPREAD	:	1.859	1.559	1.423
EXTREME SPREAD	:	2.589	1.777	1.777
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225158



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.981

VS= 2.984

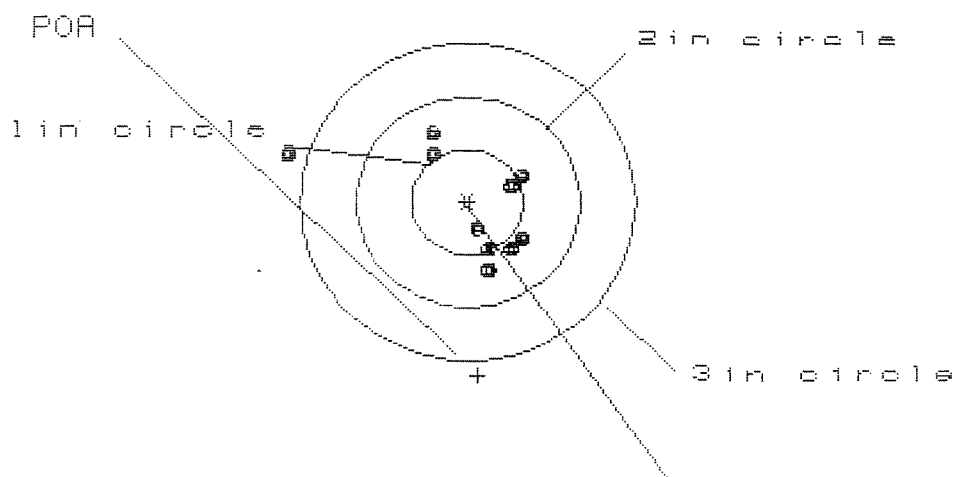
GS= 3.004

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.111	1.079	.449
MINIMUM X	:	-.870	-.902	-.767
MAXIMUM Y	:	1.749	.970	.531
MINIMUM Y	:	-1.235	-1.041	-.920
CENTROID X	:	.066	.098	-.037
CENTROID Y	:	2.042	1.848	1.727
POA TO CENTROID in.	:	2.043	1.850	1.727
MIN RADIUS	:	.242	.201	.156
MEAN RADIUS	:	.789	.655	.540
MAX RADIUS	:	1.772	1.451	.935
HORIZONTAL SPREAD	:	1.981	1.981	1.216
VERTICAL SPREAD	:	2.984	2.011	1.451
EXTREME SPREAD	:	3.004	2.267	1.526
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225158

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

CENTROID #

IN CIR

1 in = 3

2 in = 3

3 in = 3

HS- 2.070

VS= 1.367

GS= 2.197

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.495	.321	.257
MINIMUM X	-1.575	-.508	-.519
MAXIMUM Y	.698	.745	.602
MINIMUM Y	-.669	-.622	-.529
CENTROID X	-.087	.087	.151
CENTROID Y	1.642	1.595	1.502
POA TO CENTROID in.	1.645	1.597	1.509
MIN RADIUS	.247	.195	.165
MEAN RADIUS	.648	.488	.408
MAX RADIUS	1.631	.902	.795
HORIZONTAL SPREAD	2.070	.829	.776
VERTICAL SPREAD	1.367	1.367	1.131
EXTREME SPREAD	2.197	1.481	1.244
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225158

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	6 12 89	RW
600	Proof		6 12 89	RW
607	Check Headspace		6 12 89	RW
610	Dis-assemble Gun		6 12 89	RW
612	Magnaflux Barrel Action		6/21/89	KCR
	Magnaflux Bolt		6/21/89	KCR
615	Rollmark Caliber		6 26 89	L.B.
617	Drill and Tap Sight Holes		6 26 89	BT.
618	Polish Barrel		6/26/89	IST
620	Apply Coatings (Barrel Action)		7-12-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		7/14/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/14/89	RW
	C) Inspect Ejector Hole for Chamfer		7/14/89	RW
	D) Oil Firing Pin Ass'y		7/14/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		18 July 89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			18 July 89	JS
	G) Safety Off Force	3	3	3			18 July 89	JS
	H) Trigger Pull Test & Retainability						18 July 89	JS
	I) Firing Pin Indent	.021	.021	.0205			18 July 89	JS
	J) Assemble Stock						7/19/89	RW
	K) Assemble Swivel Studs						7/19/89	RW
	L) Attach Front and Rear Sight Assemblies						7/19/89	RW
	M) Iron Sight Alignment						7/19/89	RW
	N) Detach Front & Rear Sights & place in numbered container						7/19/89	RW
	O) Attach Scope to Rifle						7/21/89	JS
	P) Detach & Attach Scope 20 Times						7/25/89	JS
640	Gallery Target & Test	78R	73L				7-26-89	AC
	A) Time						7-26-89	AC
	B) Malfunctions						7-26-89	AC
	C) Pierced Primers						7-26-89	AC
	D) Optical Clarity of Scope						7-26-89	AC
645	Inspect for Live Ammo						7-26-89	AC
655	Final Inspection							
	A) Headspace						26 July 89	JS
	B) Trigger Pull	2.51	2.41	2.22	2.21	2.26	26 July 89	JS
	C) Function						26 July 89	JS
660	Pack						19 Sep 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#
3.00#+ .75#
4.00#+1.00#

SERIAL NO. 5158

DATE 4/4/90

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.46	2.36	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.30	2.50	
PULL #3	2.46	2.34	2.46	
PULL #4	2.25	2.26	2.48	
PULL #5	2.43	2.25	2.45	
TOTAL	11.97	11.51	12.38	
AVG.	2.39	2.31	2.47	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.24	3.14	
PULL #2	3.32	3.08	
PULL #3	3.19	3.20	
PULL #4	3.26	3.23	
PULL #5	3.14	3.15	
TOTAL	16.15	15.80	
AVG.	3.23	3.16	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.09		
PULL #2	4.11	4.19		
PULL #3	4.15	4.21		
PULL #4	4.09	4.07		
PULL #5	4.08	4.04		
TOTAL	20.56	20.60		
AVG.	4.11	4.12		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225158
26 Jul 1989

CENTROIDAL DISTANCES

0 TO 1	.937979
1 TO 2	.338585
1 TO 3	.752532
1 TO 4	.937456
1 TO 5	.745454

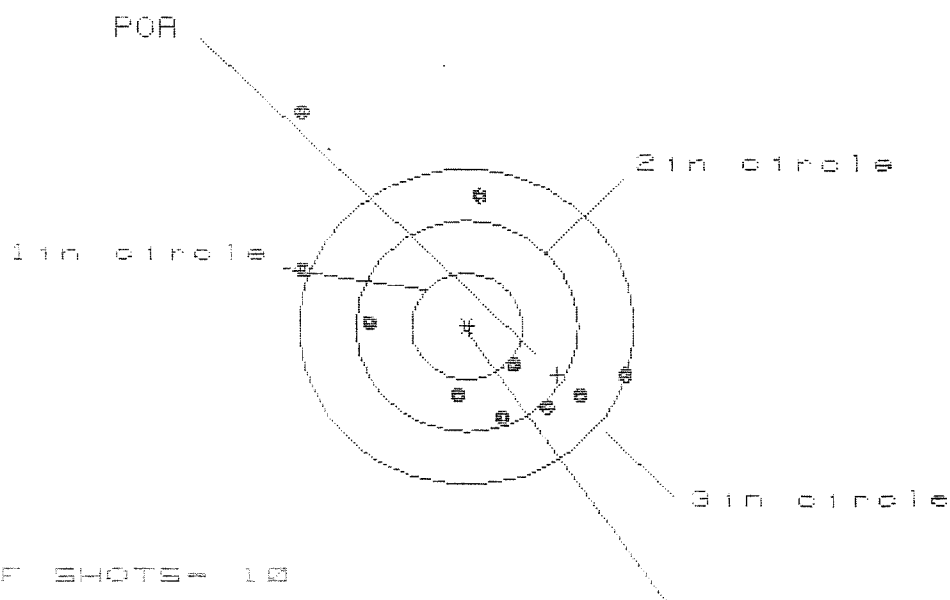
1 2 3 4
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2868
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4314
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .518935
THE AMR FOR THIS RIFLE IS: 1.122

26 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225158

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 2.943

VS= 2.885

GS= 3.843

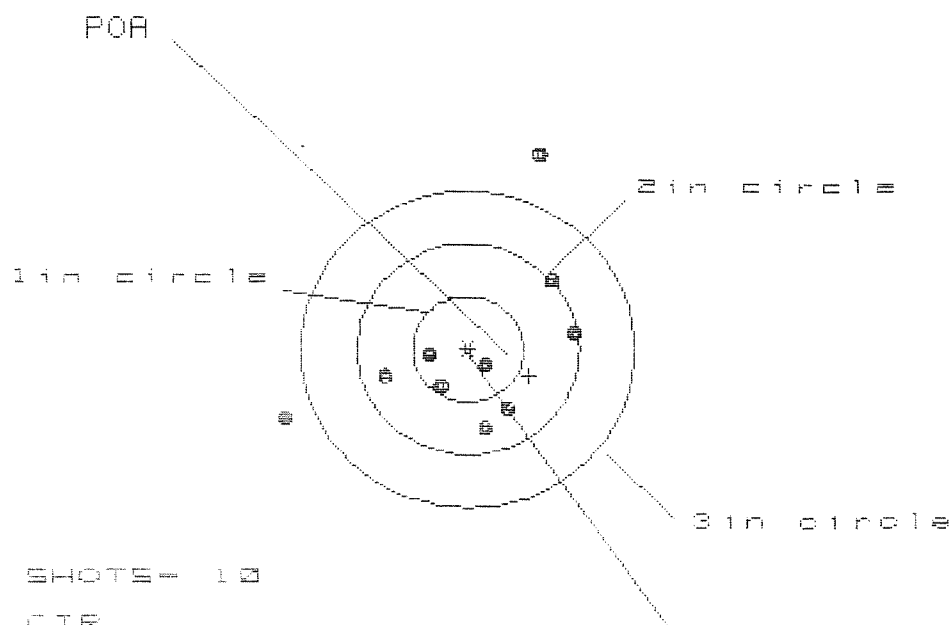
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.436	1.273	1.064
MINIMUM X	:	-1.507	-1.670	-1.303
MAXIMUM Y	:	2.011	1.437	1.535
MINIMUM Y	:	-1.874	-1.651	-1.553
CENTROID X	:	-1.818	-1.655	-1.446
CENTROID Y	:	.459	.236	.138
POR TO CENTROID in.	:	.938	.696	.467
MIN RADIUS	:	.506	.242	.017
MEAN RADIUS	:	1.217	.989	.809
MAX RADIUS	:	2.493	1.842	1.551
HORIZONTAL SPREAD	:	2.943	2.943	2.367
VERTICAL SPREAD	:	2.885	2.088	2.088
EXTREME SPREAD	:	3.843	3.126	2.430
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	7		

26 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225158

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.514

VS= 2.602

GS= 3.359

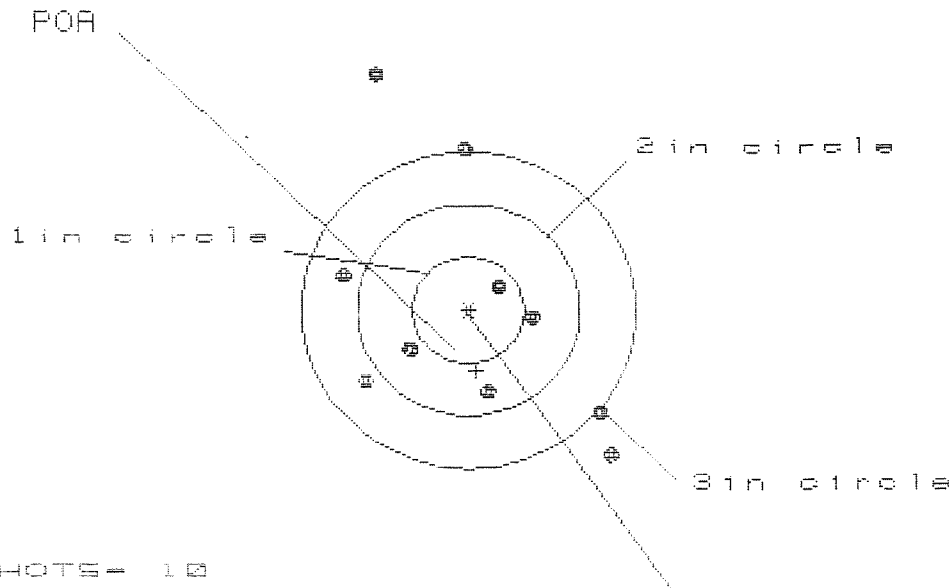
CENTROID #

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.907	.976	.784
MINIMUM X	-1.607	-1.538	-.878
MAXIMUM Y	1.870	.905	.850
MINIMUM Y	-.732	-.524	-.579
CENTROID X	-.554	-.623	-.431
CENTROID Y	.247	.039	.094
POA TO CENTROID in.	.607	.624	.441
MIN RADIUS	.242	.251	.056
MEAN RADIUS	.886	.718	.597
MAX RADIUS	1.970	1.599	1.076
HORIZONTAL SPREAD	2.514	2.514	1.662
VERTICAL SPREAD	2.602	1.429	1.429
EXTREME SPREAD	3.359	2.741	1.805
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

26 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225158

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS = 2.354

VS = 3.526

GS = 4.094

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.244	1.151	1.182
MINIMUM X	:	-1.110	-1.203	-1.059
MAXIMUM Y	:	2.183	1.723	1.585
MINIMUM Y	:	-1.343	-1.100	-0.888
CENTROID X	:	-0.074	.019	-.125
CENTROID Y	:	.572	.329	.467
POA TO CENTROID in.	:	.577	.330	.483
MIN RADIUS	:	.329	.465	.435
MEAN RADIUS	:	1.179	1.021	.945
MAX RADIUS	:	2.338	1.725	1.586
HORIZONTAL SPREAD	:	2.354	2.354	2.241
VERTICAL SPREAD	:	3.526	2.823	2.473
EXTREME SPREAD	:	4.094	3.087	2.722
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

26 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225158

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 3.476

VS= 3.567

GS= 3.617

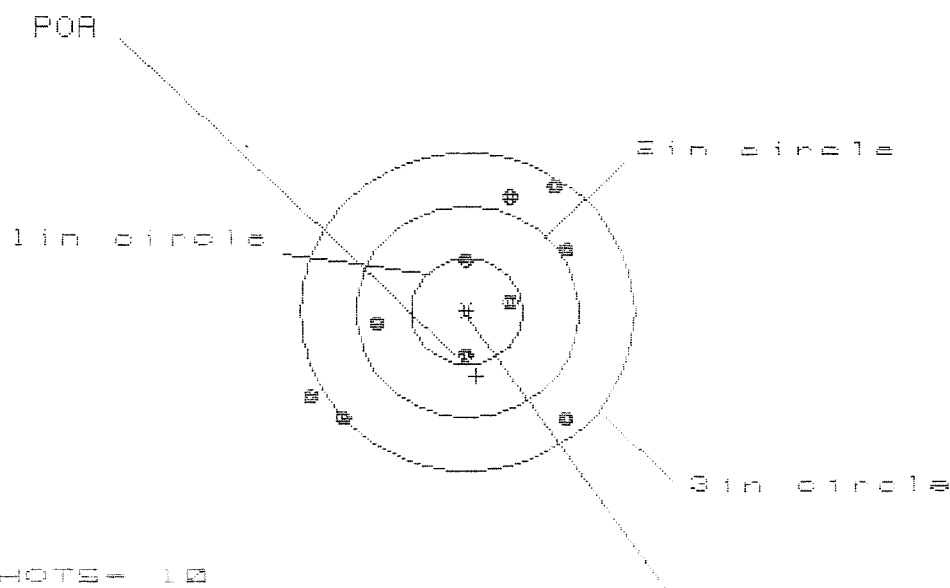
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.826	1.768	1.006
MINIMUM X	:	-1.650	-1.708	-1.487
MAXIMUM Y	:	1.663	1.451	1.383
MINIMUM Y	:	-1.904	-1.005	-1.073
CENTROID X	:	.100	.158	-.063
CENTROID Y	:	.269	.481	.549
POA TO CENTROID in.	:	.287	.506	.553
MIN RADIUS	:	.263	.342	.544
MEAN RADIUS	:	1.301	1.207	1.147
MAX RADIUS	:	1.973	1.981	1.834
HORIZONTAL SPREAD	:	3.476	3.476	2.493
VERTICAL SPREAD	:	3.567	2.456	2.456
EXTREME SPREAD	:	3.617	3.506	3.131
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

26 JUL 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225158

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 4

3 in = 8

HS = 0.201

VS = 0.244

GS = 0.954

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.928	.775	.615
MINIMUM X	-1.373	-1.284	-1.143
MAXIMUM Y	1.196	1.112	.970
MINIMUM Y	-1.048	-1.132	-1.224
CENTROID X	-.088	.065	.225
CENTROID Y	.610	.694	.836
POA TO CENTROID in.	.616	.697	.866
MIN RADIUS	.359	.209	.191
MEAN RADIUS	1.027	.942	.823
MAX RADIUS	1.569	1.712	1.360
HORIZONTAL SPREAD	2.301	2.059	1.758
VERTICAL SPREAD	2.244	2.244	2.194
EXTREME SPREAD	2.954	2.954	2.197
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

Clean, test, & inspect

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: **RE00008591** Serial: **C6225158** Model **700** Center Fire Caliber: **7.62 M-24 (SWS)** Repairman: Status: **Closed 4/27/00 8:47:44 AM**

Address Information

Customer: ☒ Received From Return To: ☒ Received From

Name: **2/7TH SPECIAL FORCES GROUP (A)** **2/7TH SPECIAL FORCES GROUP (A)**

Address 1: **ATTN: S4, BLDG. E-3323** **ATTN: S4, BLDG. E-3323**

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

Poor

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud, & SWIVEL	2
A016	Scope Mounts	2
A017	Scope Base	1
A026	Scope	1

Repair Search **Refresh** **Close**

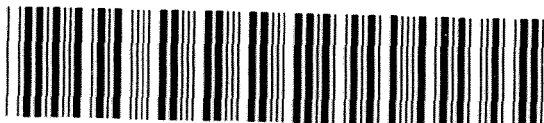
nagletj 4/27/00 12:49 PM CAPS NUM INS SEFL

Start Inb... Na... SA... Ex... Mi... A... Pa... W Mi... Pri... 12:49 PM

Scope # 89-0563

Serial Number: **C6225158**

Model: **700**



RE00008591

L-27-00

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

[illegible]

Final Inspection

S.N. _____ DATE REC'D: _____ DATE RET'D: _____
 Auditor: *RW*

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

- ☐ Scope
- ☐ Scope Rings
- ☐ MOUNTING SCREWS
- ☒ MOUNTING BASE
- ☒ SCREWS
- ☒ FINISH
- ☐ LOOSENESS
- ☐ CLARITY

Misc.

- ☐ DD-1350
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☒ STOCK
- ☒ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☐ Scope Case
- ☐ IRON SIGHTS
- ☐ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET
- ☐

Comments: