

C6225561

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

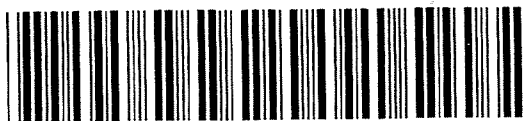
*Includes 1 in chamber.



CONFIDENTIAL

Serial Number: C622556 1

Model: 700



RE00052605

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225561.___0
FILE DATE AND TIME: 10/15/2002 14:04

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

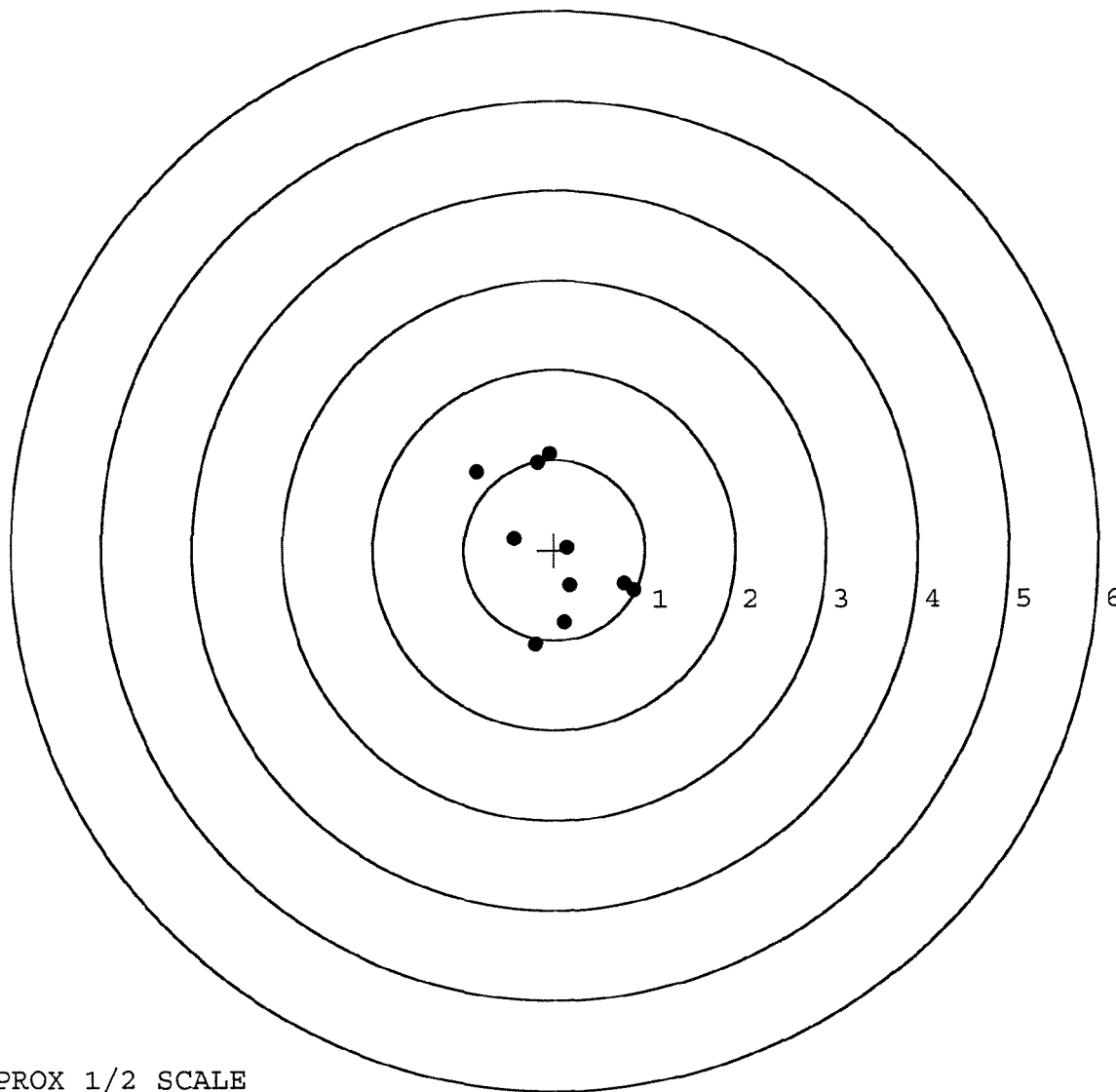
The Average X Centroid of the Five Target Set:	-0.125
The Average Y Centroid of the Five Target Set:	0.013
The Average Point of Impact of the Five Target Set:	0.126
The Average Mean Radius of the Five Target Set:	0.763
The Distance from POA to Centroid Target #1:	0.032
The Distance from Centroid Target #2 to Centroid Target #1:	0.092
The Distance from Centroid Target #3 to Centroid Target #1:	0.426
The Distance from Centroid Target #4 to Centroid Target #1:	0.248
The Distance from Centroid Target #5 to Centroid Target #1:	0.172

BARBER - M24 0051508

SERIAL NUMBER: C6225561. __0
 TARGET NUMBER: 1
 FILE DATE: 10/15/2002
 FILE TIME: 14:04

POINT#	X	Y
1:	-0.213	-1.050
2:	0.111	-0.808
3:	0.874	-0.449
4:	0.768	-0.379
5:	0.167	-0.400
6:	0.144	0.031
7:	-0.442	0.127
8:	-0.854	0.868
9:	-0.184	0.972
10:	-0.053	1.062

X CENTROID: 0.032
 Y CENTROID: -0.003
 POA TO CENTROID: 0.032
 HORZ SPREAD: 1.728
 VERT SPREAD: 2.112
 GROUP SPREAD: 2.173
 MIN RADIUS: 0.117
 MAX RADIUS: 1.242
 MEAN RADIUS: 0.800
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



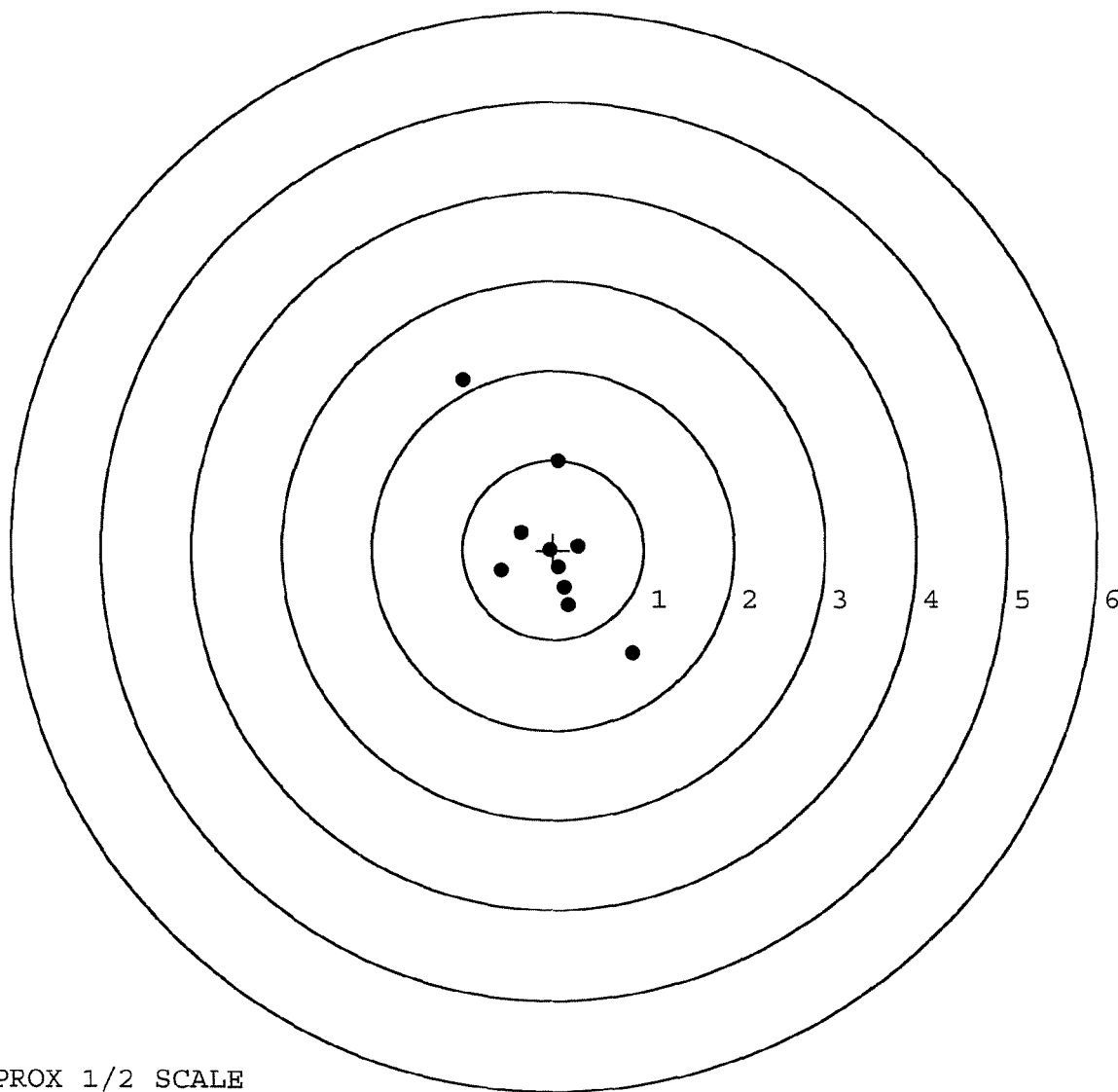
TARGET APPROX 1/2 SCALE

BARBER - M24 0051509

SERIAL NUMBER: C6225561.____0
 TARGET NUMBER: 2
 FILE DATE: 10/15/2002
 FILE TIME: 14:04

POINT#	X	Y
1:	0.878	-1.151
2:	0.053	0.998
3:	-1.006	1.899
4:	-0.362	0.195
5:	0.274	0.046
6:	0.173	-0.624
7:	-0.577	-0.229
8:	-0.040	-0.001
9:	0.059	-0.195
10:	0.126	-0.425

X CENTROID: -0.042
 Y CENTROID: 0.051
 POA TO CENTROID: 0.066
 HORZ SPREAD: 1.884
 VERT SPREAD: 3.050
 GROUP SPREAD: 3.585
 MIN RADIUS: 0.052
 MAX RADIUS: 2.084
 MEAN RADIUS: 0.735
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 8



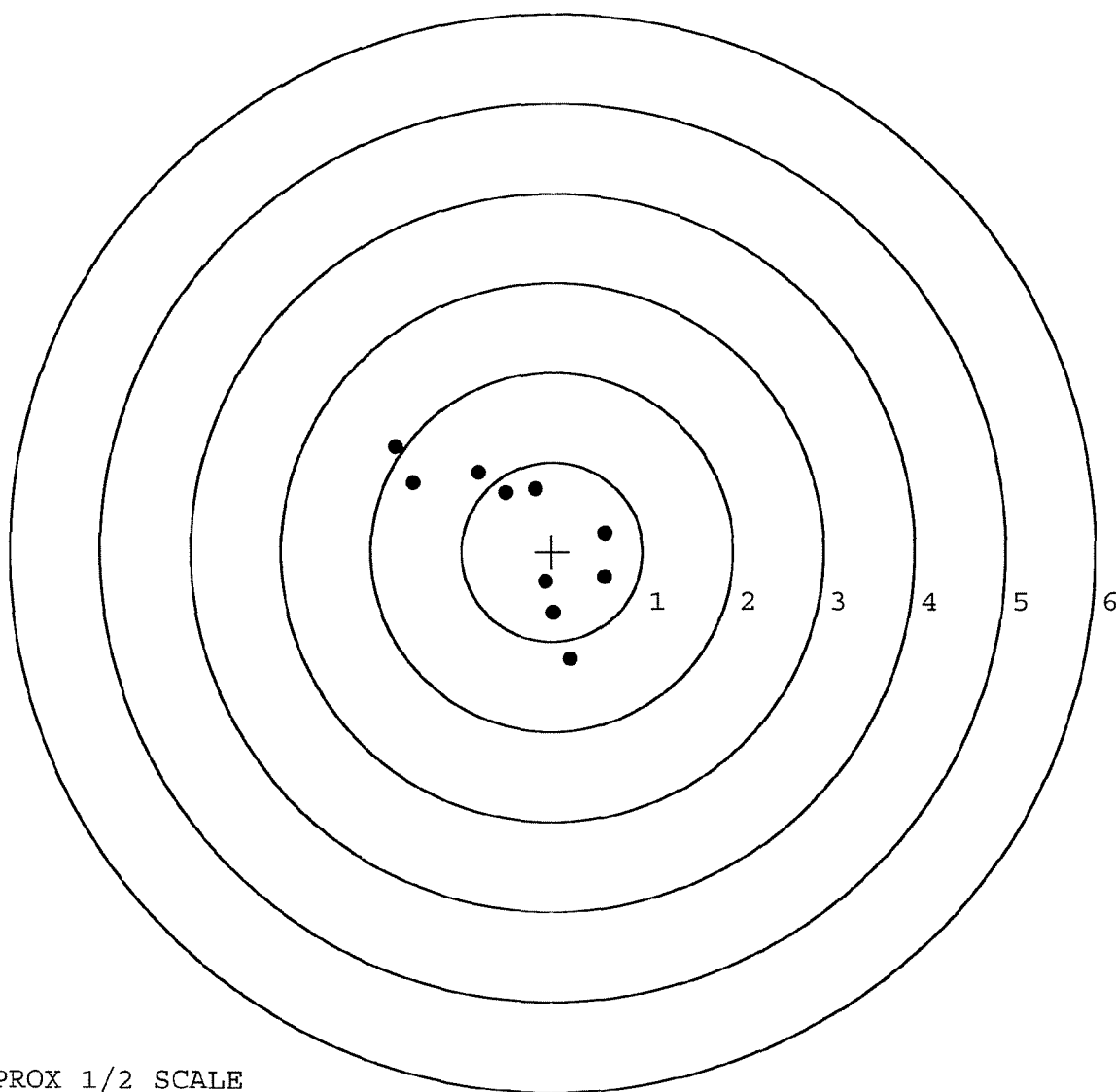
TARGET APPROX 1/2 SCALE

BARBER - M24 0051510

SERIAL NUMBER: C6225561.____0
TARGET NUMBER: 3
FILE DATE: 10/15/2002
FILE TIME: 14:04

POINT#	X	Y
1:	0.204	-1.200
2:	0.015	-0.682
3:	-0.077	-0.337
4:	0.586	-0.280
5:	0.584	0.208
6:	-0.192	0.702
7:	-0.519	0.660
8:	-0.816	0.882
9:	-1.534	0.765
10:	-1.739	1.167

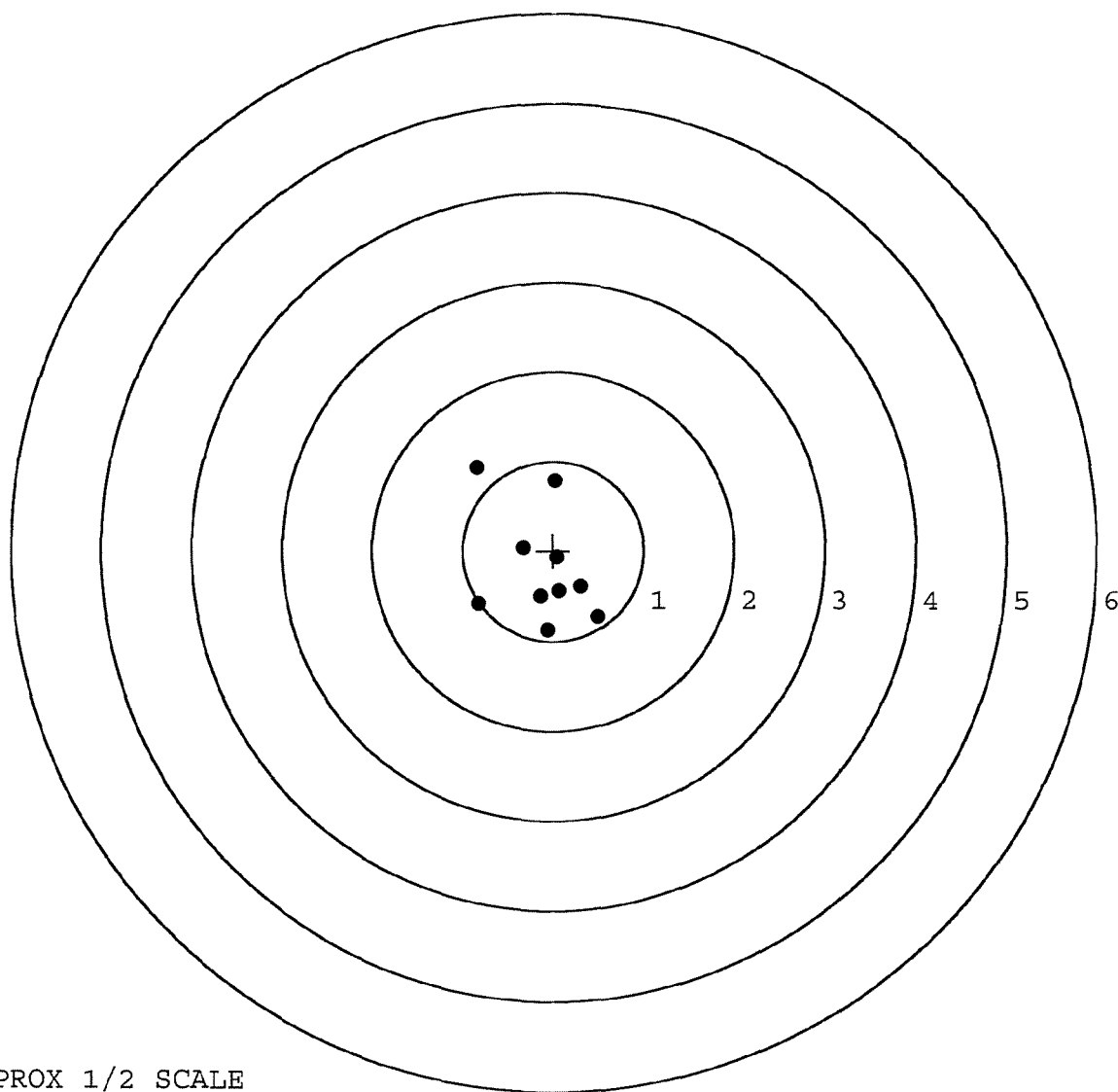
X CENTROID: -0.349
Y CENTROID: 0.188
POA TO CENTROID: 0.396
HORZ SPREAD: 2.325
VERT SPREAD: 2.367
GROUP SPREAD: 3.062
MIN RADIUS: 0.501
MAX RADIUS: 1.700
MEAN RADIUS: 0.990
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0051511

SERIAL NUMBER: C6225561.____0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.489	-0.739
FILE DATE: 10/15/2002	2:	0.304	-0.401
FILE TIME: 14:04	3:	0.043	-0.079
	4:	-0.064	-0.884
X CENTROID: -0.129	5:	-0.146	-0.513
Y CENTROID: -0.191	6:	-0.829	-0.591
POA TO CENTROID: 0.231	7:	-0.328	0.034
HORZ SPREAD: 1.334	8:	0.021	0.781
VERT SPREAD: 1.813	9:	-0.845	0.929
GROUP SPREAD: 2.136	10:	0.065	-0.450
MIN RADIUS: 0.205			
MAX RADIUS: 1.330			
MEAN RADIUS: 0.627			
# IN 1 IN DIAMETER: 5			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0051512

SERIAL NUMBER: C6225561. 0

TARGET NUMBER: 5

FILE DATE: 10/15/2002

FILE TIME: 14:04

POINT#	X	Y
1:	-0.151	-1.574
2:	0.402	-0.646
3:	-0.065	-0.434
4:	0.297	0.139
5:	-0.286	0.141
6:	-0.116	0.365
7:	-0.256	0.745
8:	-0.414	1.007
9:	-0.838	0.277
10:	0.039	0.167

X CENTROID: -0.139

Y CENTROID: 0.019

POA TO CENTROID: 0.140

HORZ SPREAD: 1.240

VERT SPREAD: 2.581

GROUP SPREAD: 2.594

MIN RADIUS: 0.191

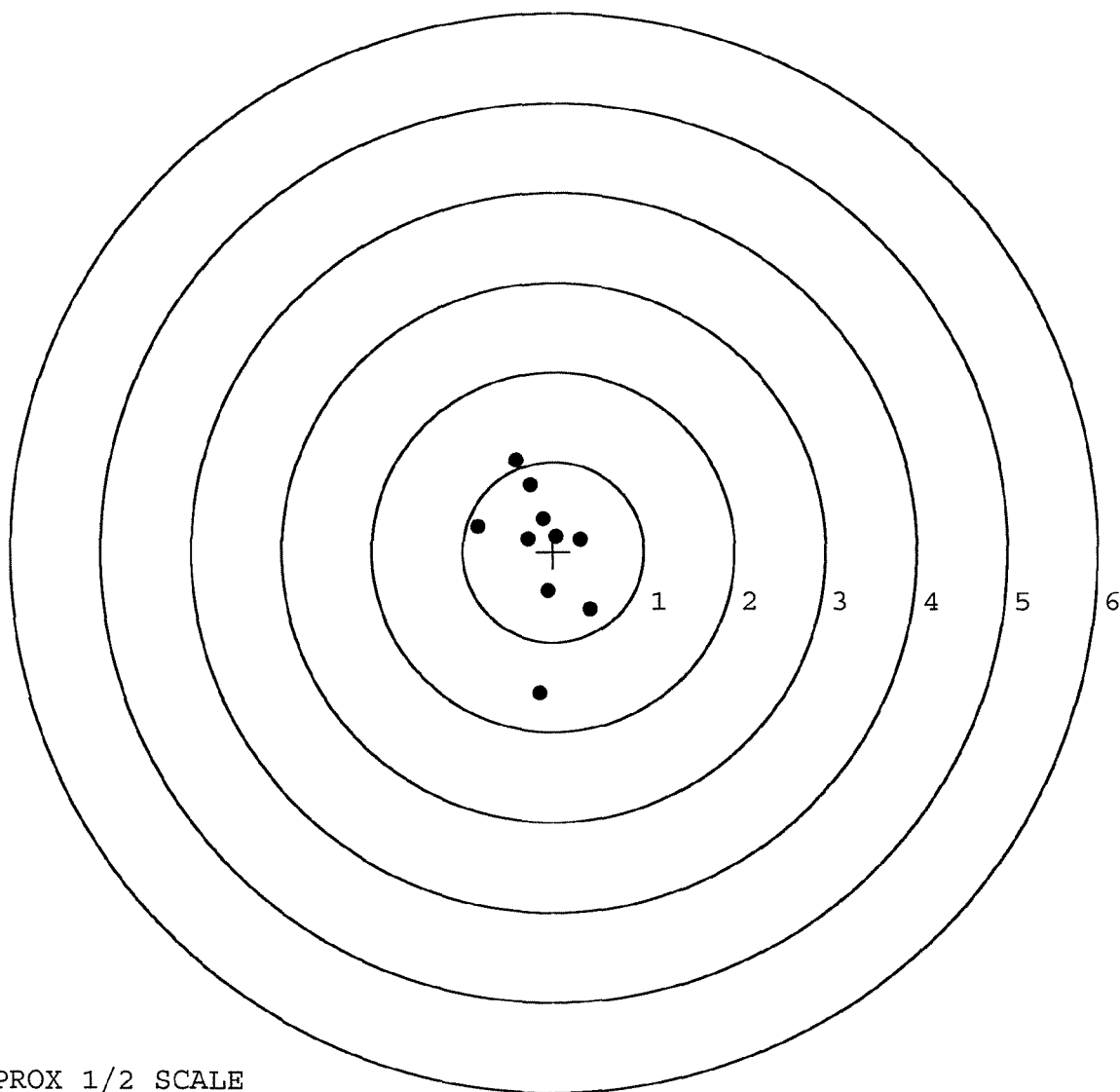
MAX RADIUS: 1.593

MEAN RADIUS: 0.664

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

Final Inspection

In: C6275.564

DATE REC'D: 9/19/82

DATE RET'D:

EDITOR: JW

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:

R & E NUMBER	52605		
SERIAL NUMBER	C6225561		
LOG-IN DATE	9/19/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/20/02	RL
560 A	RE-BARREL	9/20/02	RA
B	DRILL AND TAP	9-21-02	AC
575	ASSEMBLE	9/24/02	RL
600	PROOF	9-24-02	AC
605	CHECK HEADSPACE	9-24-02	AC
610	DIS-ASSEMBLE GUN	9/24/02	RL
612	MAGNAFLUX	RL	
615	ROLLMARK CALIBER	9/27/02	TLU
618	ROTO-BLAST	9/30/02	KO
620	APPLY COATINGS	10-5	TA
625 A	FINAL ASSEMBLY	10/10/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-14-02	TRW
655	FINAL INSPECT	10-14-02	RL
660	PACK	10-16-02	RA
		SHIP DATE	
QAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225561

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	4 12 89	RW
600	Proof		4 12 89	RW
607	Check Headspace		4 12 89	RW
610	Dis-assemble Gun		4 12 89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/10/89	DS
617	Drill and Tap Sight Holes		4 14 89	LB
618	Polish Barrel RB		4 14 89	BT
620	Apply Coatings (Barrel Action)		4/19/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/4/89	RW
	C) Inspect Ejector Hole for Chamfer		5/4/89	RW
	D) Oil Firing Pin Ass'y		5/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/9/89	WB

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/10/89	9U
	G) Safety Off Force	3	3	3			5/10/89	8U
	H) Trigger Pull Test & Retainability						5/9/89	W3
	I) Firing Pin Indent	.020	.020	.020			5/10/89	9U
	J) Assemble Stock						5/11/89	RLW
	K) Assemble Swivel Studs						15 May 89	98
	L) Attach Front and Rear Sight Assemblies						5/11/89	RLW
	M) Iron Sight Alignment						5/11/89	RLW
	N) Detach Front & Rear Sights & place in numbered container						5/11/89	RLW
	O) Attach Scope to Rifle						5/11/89	9U
	P) Detach & Attach Scope 20 Times						5/11/89	9U
640	Gallery Target & Test	62R	91L				5/11/89	DH
	A) Time						5/11/89	DH
	B) Malfunctions						5/11/89	DH
	C) Pierced Primers						5/11/89	DH
	D) Optical Clarity of Scope						5/11/89	DH
645	Inspect for Live Ammo						5/11/89	DH
655	Final Inspection							
	A) Headspace						15 May 89	98
	B) Trigger Pull	2.38	2.35	2.34	2.31	2.50	15 May 89	98
	C) Function						15 May 89	98
660	Pack						27 June 89	98

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

SERIAL NO. C6225561DATE 5/9/89TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.44	2.29	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.36	2.36	2.35	
PULL #3	2.46	2.25	2.25	2.34	
PULL #4	2.35	2.41	2.45	2.31	
PULL #5	2.33	2.46	2.29	2.50	
TOTAL	12.13	11.92	11.64	11.88	
AVG.	2.42	2.38	2.33	2.376	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.02	3.07		
PULL #2	3.09	3.04		
PULL #3	3.10	3.14		
PULL #4	3.04	3.18		
PULL #5	3.10	3.18		
TOTAL	15.35	15.61		
AVG.	3.07	3.12		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.07		4.34
PULL #2	4.06	3.95		4.38
PULL #3	4.27	4.14		4.34
PULL #4	4.24	4.07		4.31
PULL #5	4.24	4.17		4.15
TOTAL	21.17	20.40		21.52
AVG.	4.23	4.08		4.31

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225561
15 May 1989

CENTROIDAL DISTANCES

0 TO	1	.676764
1 TO	2	.270852
1 TO	3	.793738
1 TO	4	.321801
1 TO	5	.375826

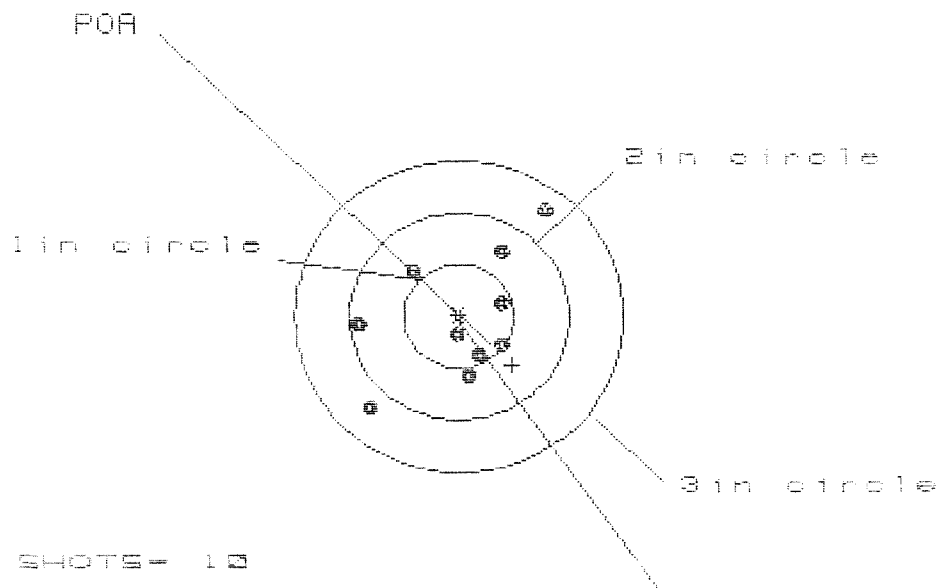
$\frac{1}{5} \sum_{i=1}^5$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.398
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .255
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .472683
THE AMR FOR THIS RIFLE IS: .7838

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225561

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.700

VS= 1.910

GS= 2.500

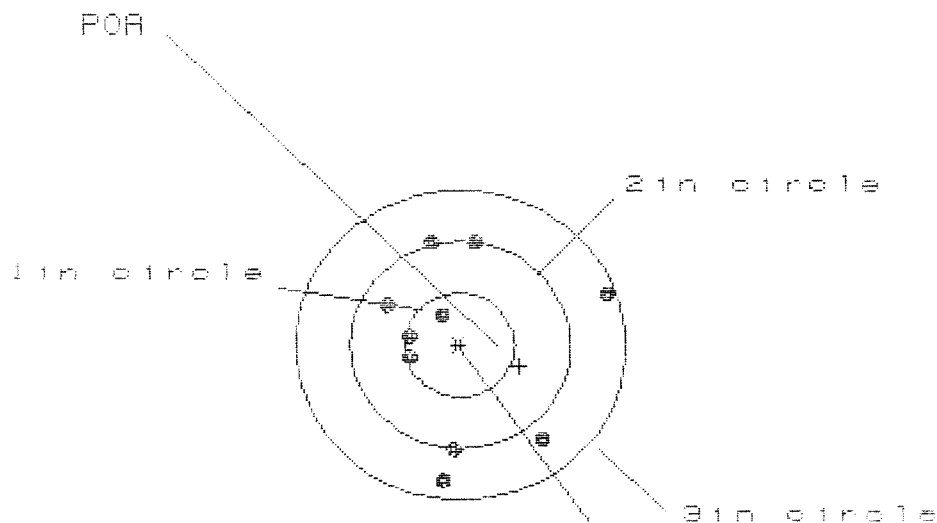
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.774	.511	.416
MINIMUM X	-.926	-.840	-.935
MAXIMUM Y	.996	.776	.676
MINIMUM Y	-.914	-.803	-.532
CENTROID X	-.485	-.571	-.476
CENTROID Y	.472	.361	.461
POA TO CENTROID in.	.676	.675	.663
MIN RADIUS	.128	.074	.120
MEAN RADIUS	.672	.599	.524
MAX RADIUS	1.261	1.101	.938
HORIZONTAL SPREAD	1.700	1.351	1.351
VERTICAL SPREAD	1.910	1.579	1.208
EXTREME SPREAD	2.500	1.982	1.490
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225561

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HE= 1.977

VE= 2.234

GE= 2.314

CENTROID *

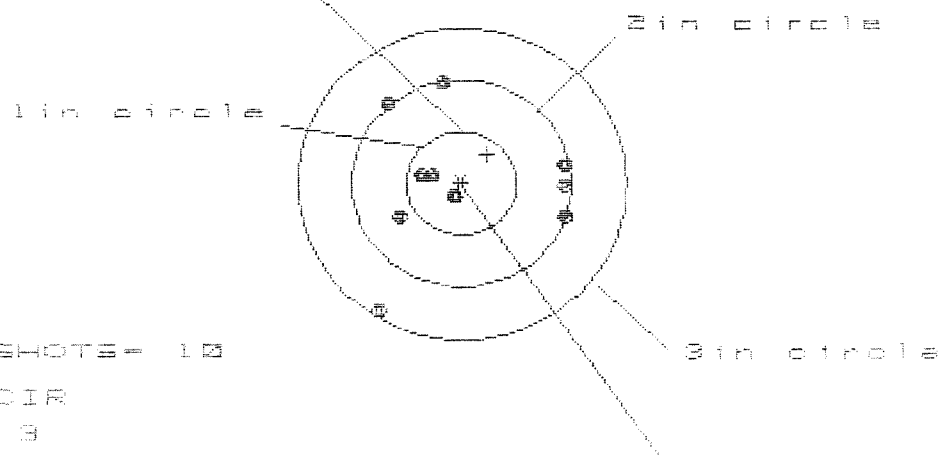
PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.366
MINIMUM X	-.611
MAXIMUM Y	.967
MINIMUM Y	-1.267
CENTROID X	-.541
CENTROID Y	.207
POA TO CENTROID in.	.579
MIN RADIUS	.349
MEAN RADIUS	.886
MAX RADIUS	1.455
HORIZONTAL SPREAD	1.977
VERTICAL SPREAD	2.234
EXTREME SPREAD	2.314
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	10

11 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06225561

CENTERFIRE PATTERNS # 3

POR



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 1.559

VS = 2.217

GS = 2.283

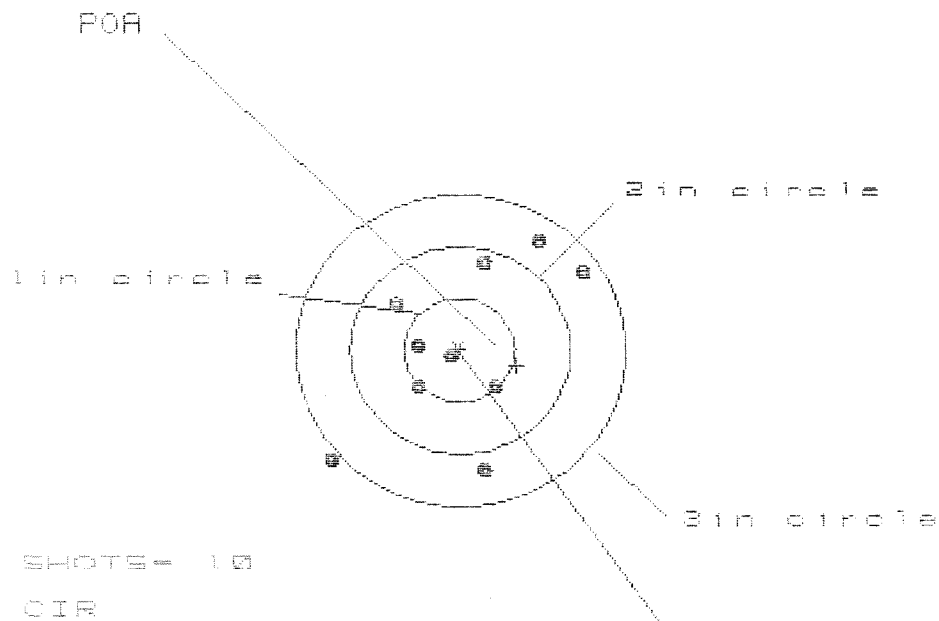
CENTROID *

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.971	.891	.792
MINIMUM X	-.728	-.792	-.783
MAXIMUM Y	.971	.833	.908
MINIMUM Y	-1.246	-.452	-.377
CENTROID X	-.237	-.157	-.058
CENTROID Y	-.282	-.144	-.219
POR TO CENTROID in.	.369	.213	.226
MIN RADIUS	.112	.269	.266
MEAN RADIUS	.777	.713	.684
MAX RADIUS	1.443	.999	.963
HORIZONTAL SPREAD	1.699	1.683	1.575
VERTICAL SPREAD	2.217	1.285	1.285
EXTREME SPREAD	2.293	1.985	1.699
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225561

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

MO = 2.248

VS = 2.248

GS = 2.884

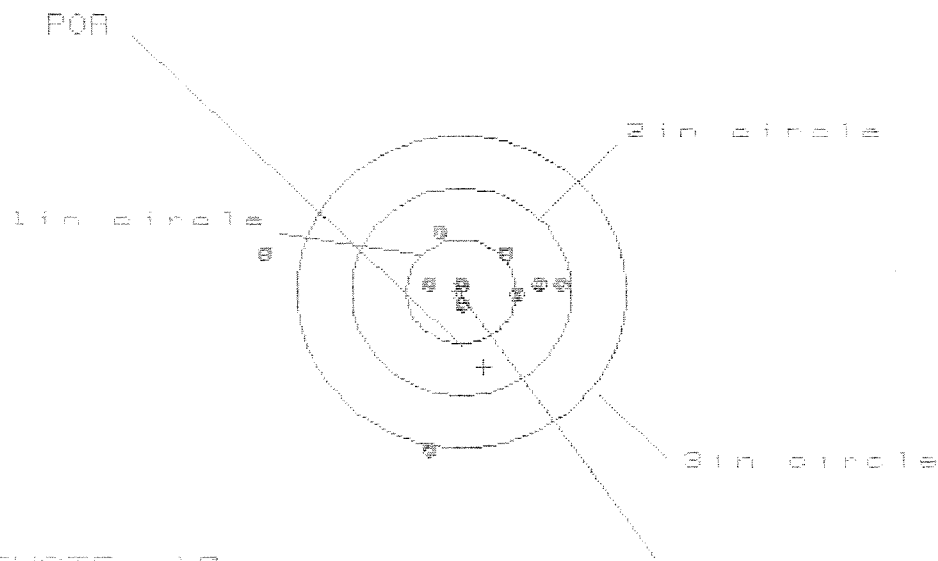
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.077	.947	1.025
MINIMUM X	-1.172	-.677	-.599
MAXIMUM Y	1.066	.946	.809
MINIMUM Y	-1.182	-1.302	-1.183
CENTROID X	-.519	-.389	-.467
CENTROID Y	.152	.272	.153
POA TO CENTROID in.	.541	.475	.492
MIN RADIUS	.081	.254	.115
MEAN RADIUS	.848	.787	.707
MAX RADIUS	1.594	1.309	1.254
HORIZONTAL SPREAD	2.249	1.624	1.624
VERTICAL SPREAD	2.248	2.248	1.993
EXTREME SPREAD	2.884	2.300	2.070
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225561

CENTERFIRE PATTERNS # 5



OF SHOTS- 12

IN CIR

1 in = 4

2 in = 8

3 in = 8

ME = 2.778

MS = 2.176

GS = 2.792

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.946
MINIMUM X	-1.832
MAXIMUM Y	.619
MINIMUM Y	-1.557
CENTROID X	-.208
CENTROID Y	.726
POA TO CENTROID in.	.755
MIN RADIUS	.187
MEAN RADIUS	.736
MAX RADIUS	1.870
HORIZONTAL SPREAD	2.778
VERTICAL SPREAD	2.176
EXTREME SPREAD	2.792
NUMBER IN ONE INCH CIRCLE	4
NUMBER IN TWO INCH CIRCLE	8
NUMBER IN THREE INCH CIRCLE	8

RECEIVED
JMM

PARBER - M24 0051563
ESTIMATING REPORT

COMMENTS
M-24 SNIPER

ORDER
R 96-09648

INITIAL
JMM

CUSTOMER ORDER NO.

DATE RECEIVED
04/08/96

DATE OPENED
04/08/96

DATE CODE
0J 7-89

SERIAL NUMBER
C6225561

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62 NATO

ACCESSORIES
W/STUDS

SCOPE BASE

FROM:COMMANDER
B CO 1ST SPECIAL FORCES
COMMAND 3RD BN - BOX 339502
FT LEWIS WA 98433

SHIP TO:COMMANDER
B CO 1ST SPECIAL FORCES
COMMAND 3RD BN - BOX 339502
FT LEWIS WA 98433

CUST NO:141138 C.O.D L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA
UPS

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
METAL			C2			

MAIN FAULT

PARTS
Barrel - 96003

COMMENTS
Repower Coat Trigger Guard
Assy, Front & Rear Sight Bases
Refine Scope Based Swivel
Studs

REPAIRMAN
RM

PROOF
✓

CLEAN
✓

TEST
✓

TARGET
✓

PATTERN

GALLERY TESTER
RM

DATE
4/15/96

DATE
4/23/96

DATE
4/23/96

DATE
4/23/96

DATE

Barrel

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225561

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		4/13/96	RW
600	Proof		4/15/96	RW
607	Check Headspace		4/15/96	RW
610	Dis-assemble Gun		4/15/96	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		4/23/96	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/23/96	RW
	C) Inspect Ejector Hole for Chamfer		4/23/96	RW
	D) Oil Firing Pin Ass'y		4/23/96	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		4/23/96	Ru
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clarity of Scope			
645	Inspect for Live Ammo		4/23/96	Ru
655	Final Inspection			
	A) Headspace		4/24/96	Ru
	B) Trigger Pull		4/24/96	Ru
	C) Function		4/24/96	Ru
660	Pack			

Final Inspection

Sn: C6225561

DATE REC'D: 4/8/96

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 # 06225561
22 Feb 1988

CENTROIDAL DISTANCES

0 TO 1	.672887
1 TO 2	.299107
1 TO 3	.439281
1 TO 4	.0642806
1 TO 5	.293019

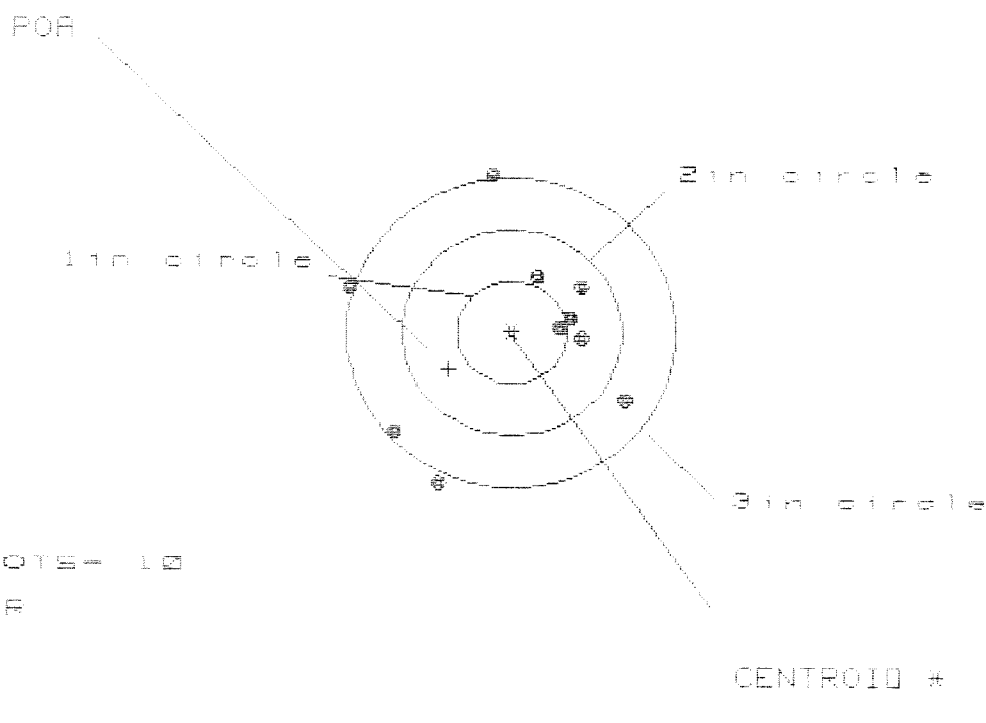
3
+ 3rd <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .474
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3596
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .594969
THE AMR FOR THIS RIFLE IS: 1.058

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225561.J

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 2.561

VS= 2.992

GS= 3.029

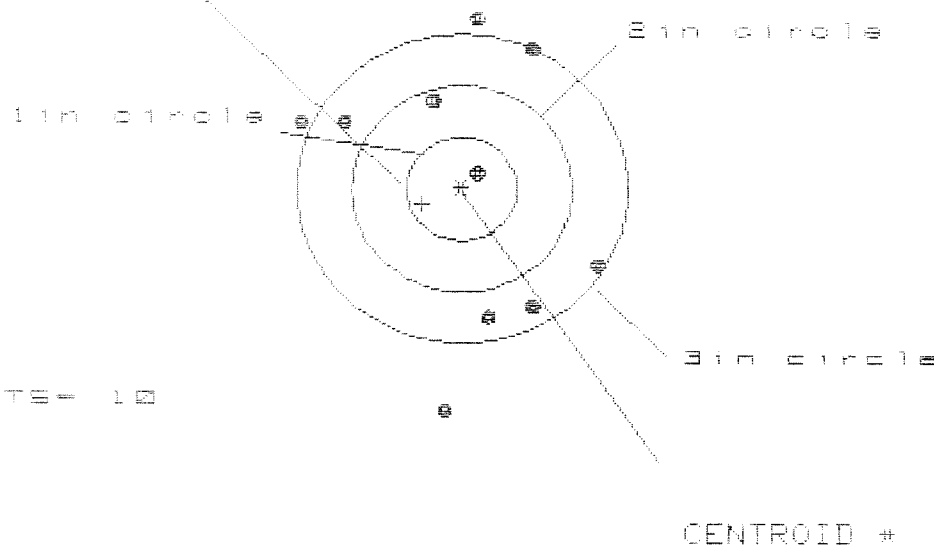
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.042	.968	.768
MINIMUM X	-1.519	-1.593	-1.376
MAXIMUM Y	1.523	1.360	1.390
MINIMUM Y	-1.469	-1.081	-1.051
CENTROID X	.571	.645	.845
CENTROID Y	.356	.519	.489
POA TO CENTROID in.	.673	.828	.976
MIN RADIUS	.391	.353	.173
MEAN RADIUS	1.041	.932	.763
MAX RADIUS	1.614	1.612	1.731
HORIZONTAL SPREAD	2.561	2.561	2.144
VERTICAL SPREAD	2.992	2.441	2.441
EXTREME SPREAD	3.029	2.786	2.602
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225561.1

CENTERFIRE PATTERNS # 2

POA



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 2

3 in = 7

HS = 2.663

VS = 3.867

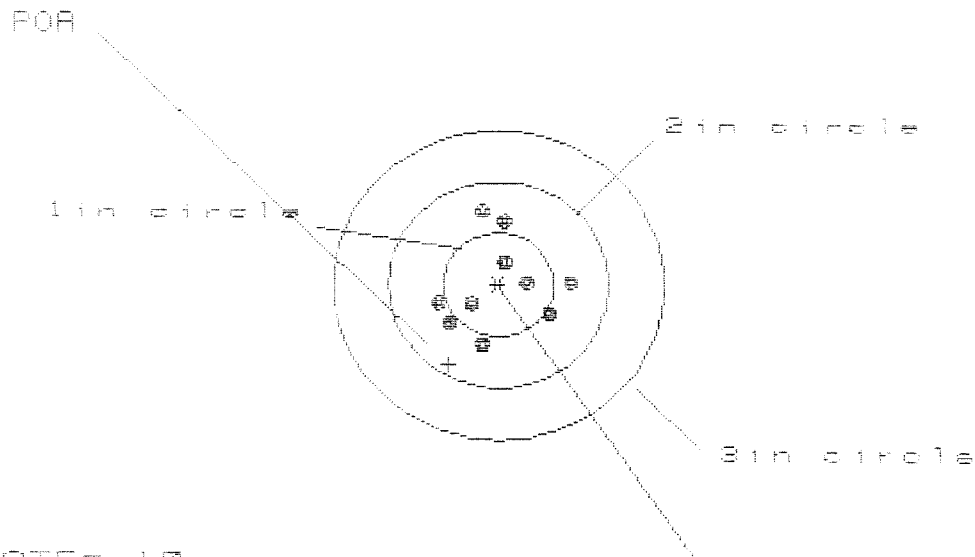
GS = 3.878

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.243	1.223	1.236
MINIMUM X	-1.420	-1.440	-1.427
MAXIMUM Y	1.693	1.451	1.266
MINIMUM Y	-2.174	-1.477	-1.295
CENTROID X	.360	.380	.367
CENTROID Y	.144	.386	.204
POA TO CENTROID in.	.388	.541	.420
MIN RADIUS	.197	.101	.142
MEAN RADIUS	1.311	1.174	1.145
MAX RADIUS	2.181	1.576	1.539
HORIZONTAL SPREAD	2.663	2.663	2.663
VERTICAL SPREAD	3.867	2.928	2.561
EXTREME SPREAD	3.878	3.003	3.003
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	7		

22 Feb 1988

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 10

3 in = 10

HS= 1.212

VS= 1.335

GS= 1.335

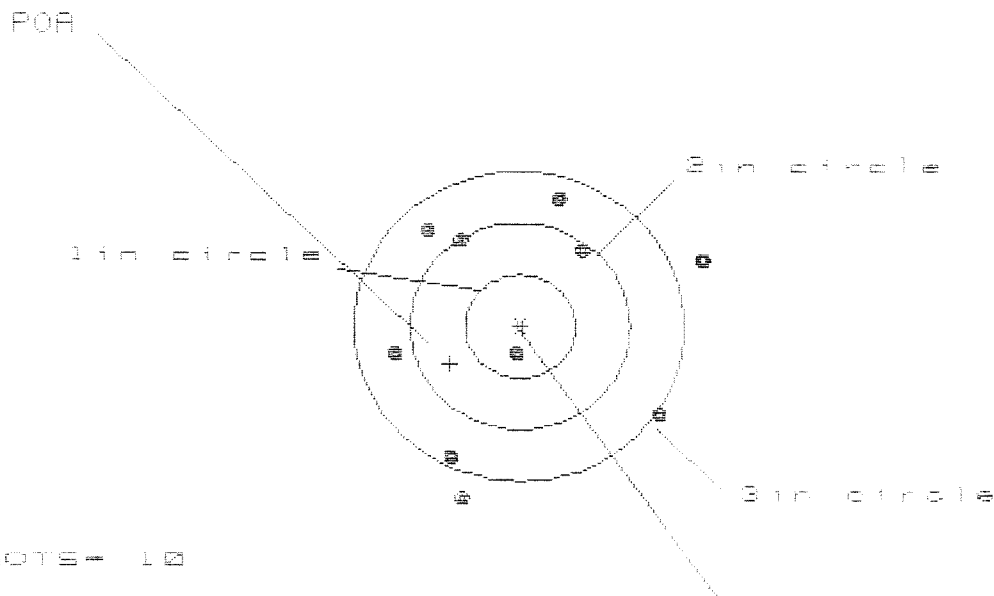
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.672	.654	.481
MINIMUM X	-.539	-.558	-.476
MAXIMUM Y	.747	.739	.757
MINIMUM Y	-.588	-.505	-.487
CENTROID X	.449	.467	.385
CENTROID Y	.778	.695	.677
POA TO CENTROID in.	.898	.837	.779
MIN RADIUS	.249	.329	.146
MEAN RADIUS	.515	.481	.449
MAX RADIUS	.764	.740	.767
HORIZONTAL SPREAD	1.212	1.212	.957
VERTICAL SPREAD	1.335	1.244	1.244
EXTREME SPREAD	1.335	1.259	1.259
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		

22 Feb 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C8225581.1

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS = 2.806

VS = 2.834

GS = 3.139

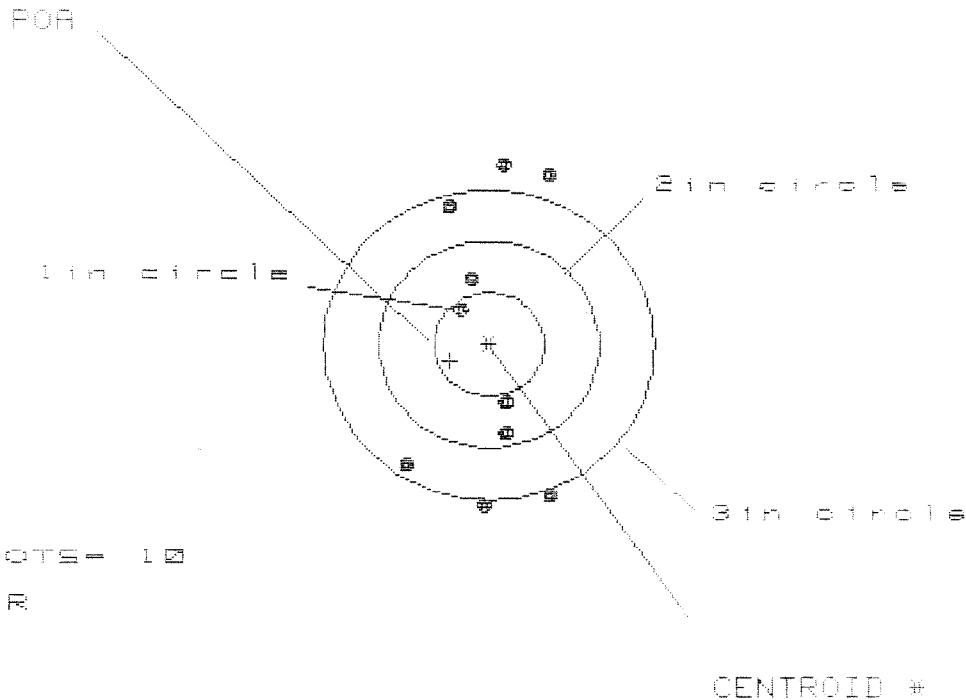
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.628	1.433	1.386
MINIMUM X	-1.178	-1.997	-1.044
MAXIMUM Y	1.197	1.265	1.069
MINIMUM Y	-1.637	-1.569	-1.400
CENTROID X	.635	.534	.501
CENTROID Y	.362	.490	.490
POA TO CENTROID in.	.731	* .584	.701
MIN RADIUS	.298	.420	.420
MEAN RADIUS	1.224	1.091	1.091
MAX RADIUS	1.742	1.696	1.696
HORIZONTAL SPREAD	2.806	2.430	2.430
VERTICAL SPREAD	2.834	2.469	2.469
EXTREME SPREAD	3.139	2.984	2.771
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225561.J

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 1.375

VS= 3.260

GS= 3.265

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.593	.604	.632
MINIMUM X	-.781	-.716	-.688
MAXIMUM Y	1.722	1.736	1.736
MINIMUM Y	-1.538	-1.115	-1.115
CENTROID X	.355	.262	.262
CENTROID Y	.158	-.265	-.265
POA TO CENTROID in.	.389	.373	.373
MIN RADIUS	.435	.277	.277
MEAN RADIUS	1.190	.965	.965
MAX RADIUS	1.768	1.763	1.763
HORIZONTAL SPREAD	1.375	1.320	1.320
VERTICAL SPREAD	3.260	2.851	2.851
EXTREME SPREAD	3.265	2.939	2.939
NUMBER IN ONE INCH CIRCLE =	1	1	1
NUMBER IN TWO INCH CIRCLE =	4	4	4
NUMBER IN THREE INCH CIRCLE =	5	5	5

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