

C6594553

MODEL 700TM #24

Model **SWS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: RE00130509

Serial: C6594553 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status: New 6/19/2007 7:28:17 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: C CO 2/3D SFG (A)

C CO 2/3D SFG (A)

Address 1: E-1650 KUWAIT STREET

E-1650 KUWAIT STREET

Address 2: ATTN: MARIO NARANJO

PO Box:

ATTN: MARIO NARANJO

PO Box:

City: FT. BRAGG

FT. 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: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

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

Repair Search

Refresh

Close

nagletj

6/19/2007

7:46 AM

CAPS

NUM

INS

SCRL

start

Inbox - Micros...

Calendar - Mic...

Calendar - Mic...

Arms Services ...

7:46 AM

Serial Number: C6594553

Model: M24 SWS



RE00130509

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594553.___0
FILE DATE AND TIME: 07/17/2007 22:27

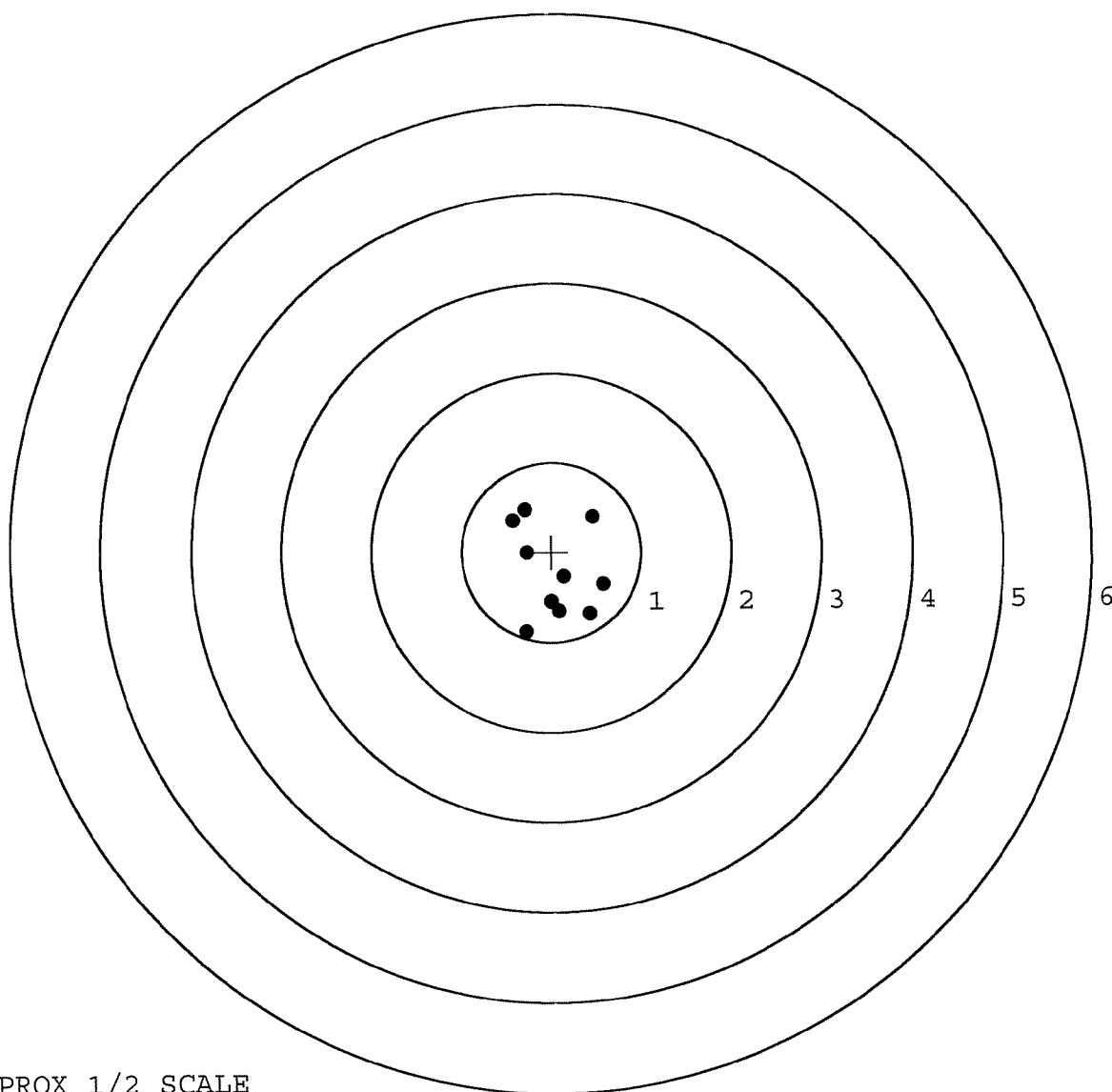
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.002
The Average Y Centroid of the Five Target Set:	-0.115
The Average Point of Impact of the Five Target Set:	0.115
The Average Mean Radius of the Five Target Set:	0.637
The Distance from POA to Centroid Target #1:	0.225
The Distance from Centroid Target #2 to Centroid Target #1:	0.095
The Distance from Centroid Target #3 to Centroid Target #1:	0.048
The Distance from Centroid Target #4 to Centroid Target #1:	0.319
The Distance from Centroid Target #5 to Centroid Target #1:	0.226

SERIAL NUMBER: C6594553. __0
TARGET NUMBER: 1
FILE DATE: 07/17/2007
FILE TIME: 22:27

X CENTROID: 0.037
Y CENTROID: -0.222
POA TO CENTROID: 0.225
HORZ SPREAD: 1.011
VERT SPREAD: 1.364
GROUP SPREAD: 1.374
MIN RADIUS: 0.115
MAX RADIUS: 0.774
MEAN RADIUS: 0.546
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.300	0.475
2:	-0.432	0.360
3:	-0.278	-0.009
4:	0.138	-0.277
5:	0.579	-0.361
6:	0.425	-0.692
7:	0.081	-0.666
8:	-0.008	-0.557
9:	-0.292	-0.889
10:	0.461	0.397

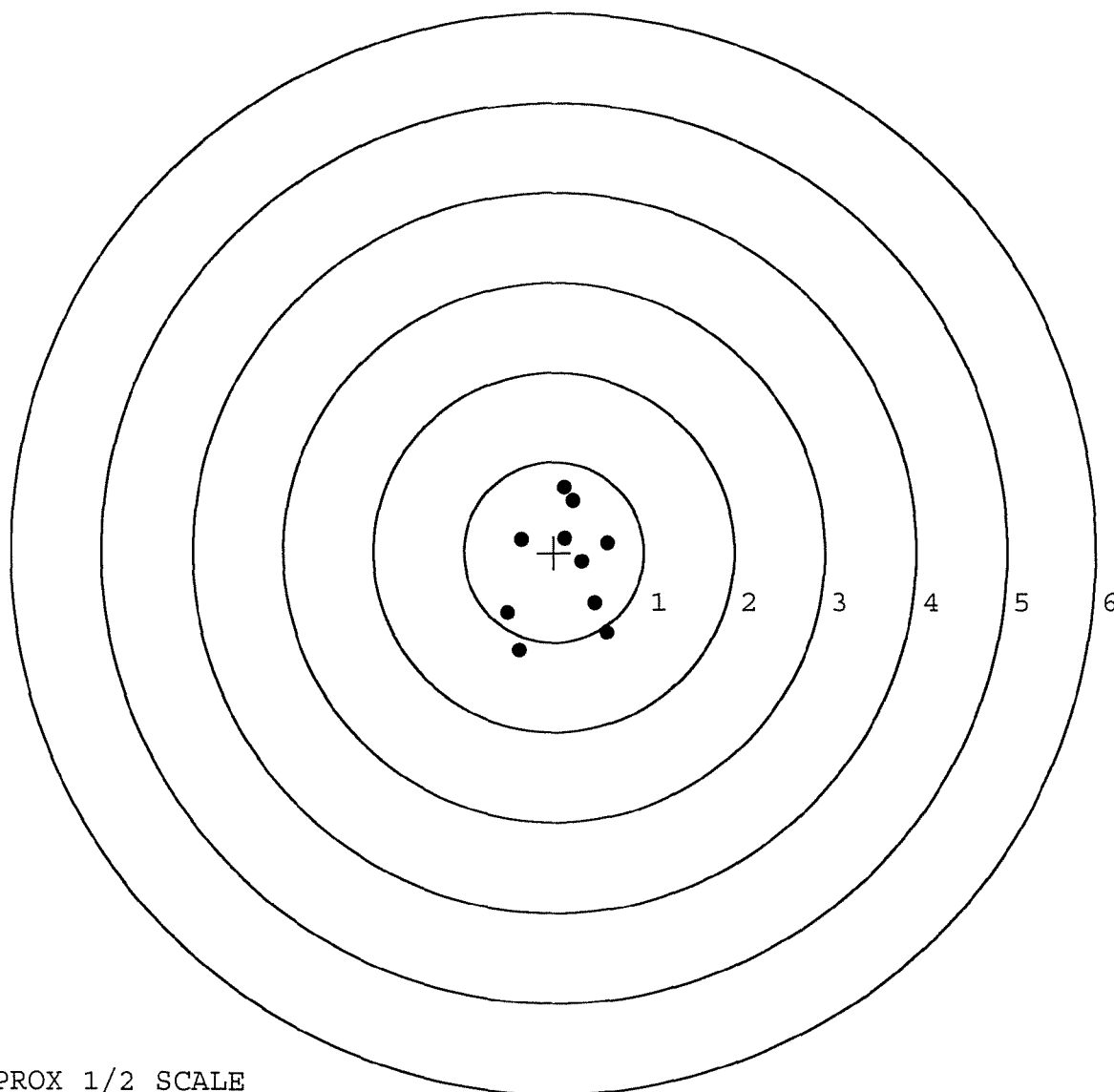


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. __0
TARGET NUMBER: 2
FILE DATE: 07/17/2007
FILE TIME: 22:27

POINT#	X	Y
1:	0.118	0.715
2:	0.213	0.567
3:	0.123	0.159
4:	0.311	-0.110
5:	0.594	0.104
6:	0.459	-0.568
7:	0.593	-0.898
8:	-0.384	-1.096
9:	-0.517	-0.679
10:	-0.362	0.146

X CENTROID: 0.115
Y CENTROID: -0.166
POA TO CENTROID: 0.202
HORZ SPREAD: 1.111
VERT SPREAD: 1.811
GROUP SPREAD: 1.879
MIN RADIUS: 0.204
MAX RADIUS: 1.055
MEAN RADIUS: 0.654
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

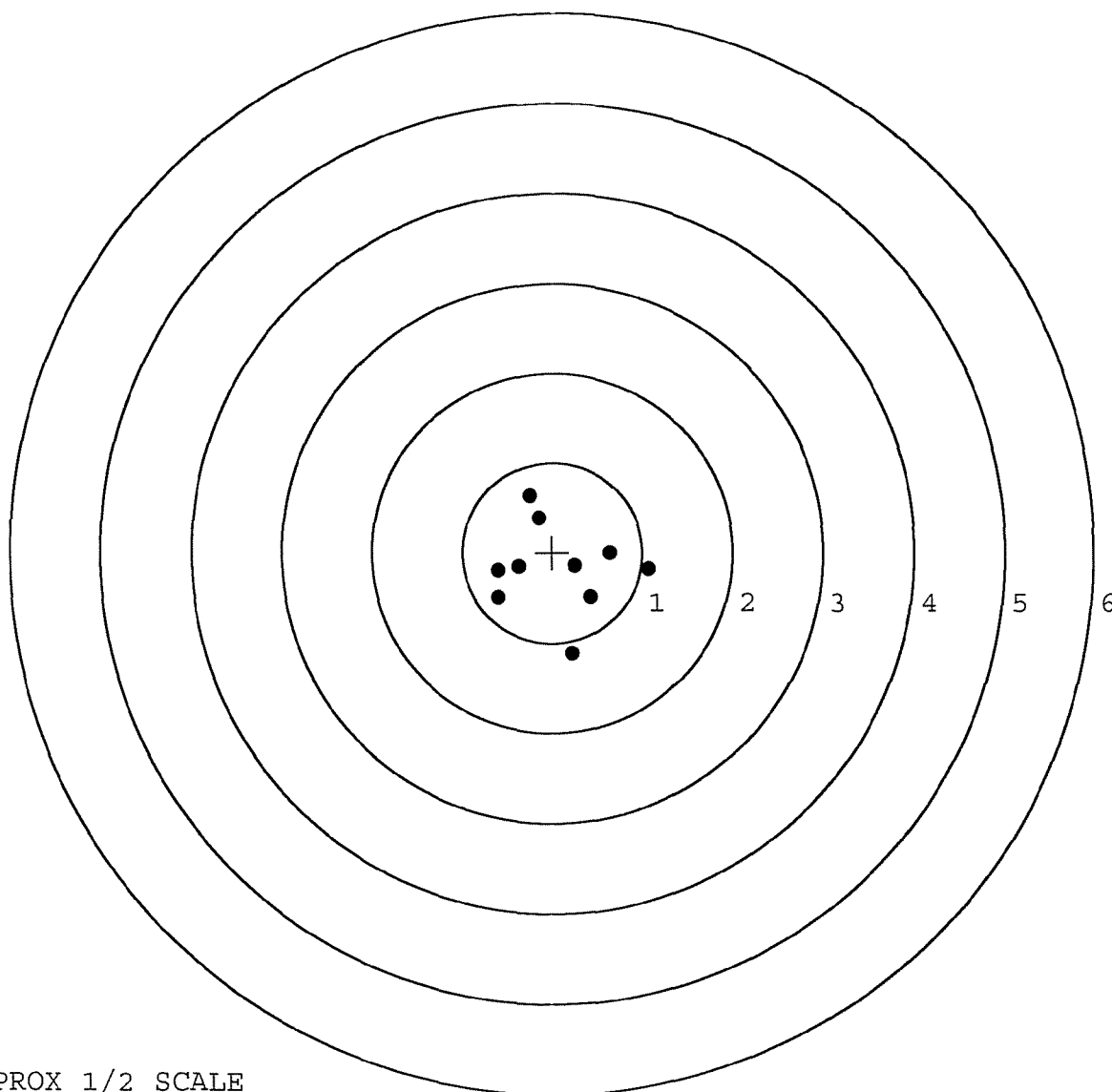


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. __0
TARGET NUMBER: 3
FILE DATE: 07/17/2007
FILE TIME: 22:27

X CENTROID: 0.061
Y CENTROID: -0.180
POA TO CENTROID: 0.190
HORZ SPREAD: 1.673
VERT SPREAD: 1.751
GROUP SPREAD: 1.704
MIN RADIUS: 0.191
MAX RADIUS: 1.009
MEAN RADIUS: 0.657
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.258	0.630
2:	-0.154	0.383
3:	-0.380	-0.157
4:	-0.602	-0.204
5:	-0.603	-0.504
6:	0.249	-0.147
7:	0.425	-0.498
8:	0.644	0.001
9:	1.070	-0.183
10:	0.221	-1.121

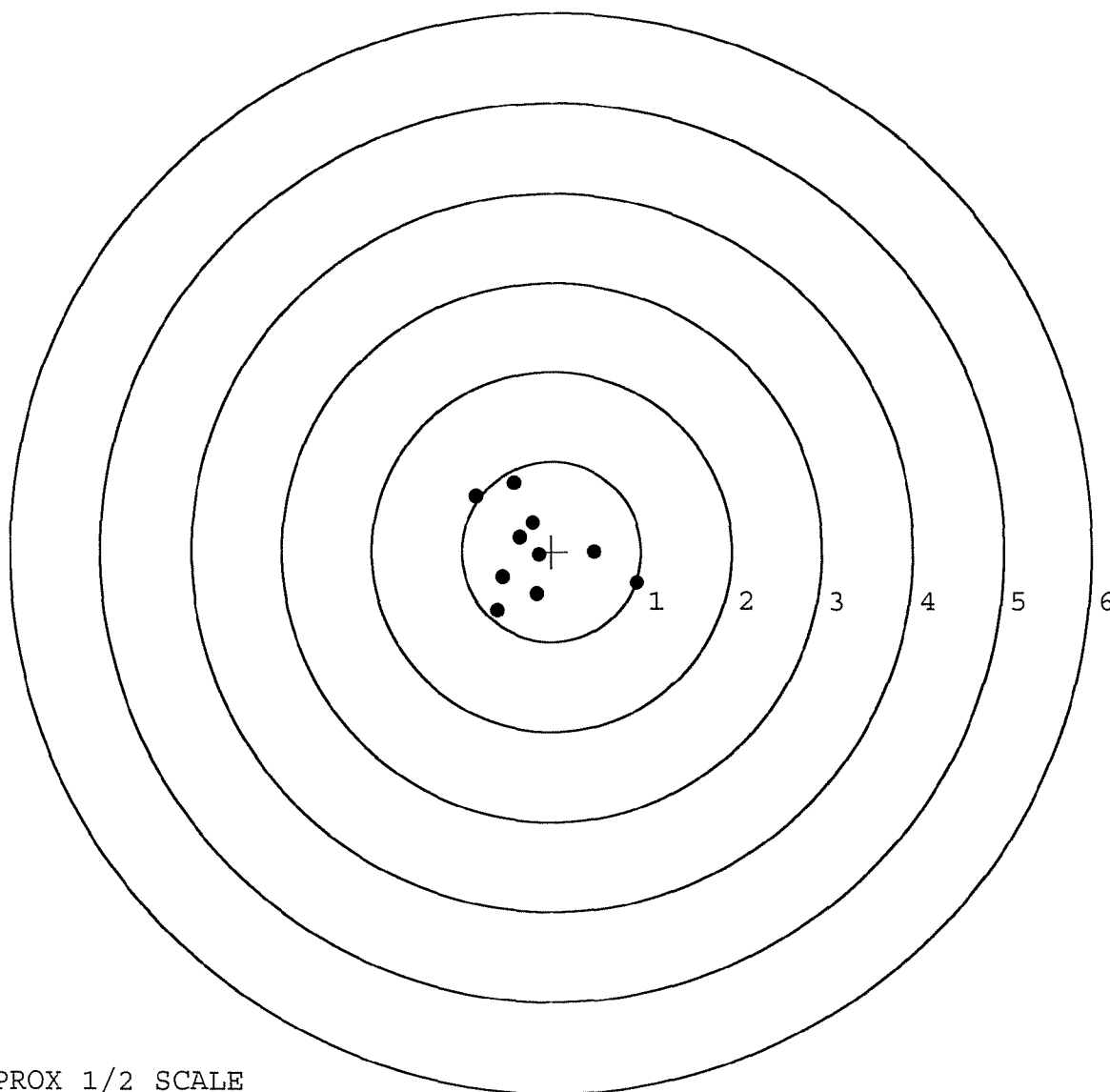


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. __0
TARGET NUMBER: 4
FILE DATE: 07/17/2007
FILE TIME: 22:27

X CENTROID: -0.188
Y CENTROID: 0.004
POA TO CENTROID: 0.188
HORZ SPREAD: 1.791
VERT SPREAD: 1.418
GROUP SPREAD: 2.031
MIN RADIUS: 0.062
MAX RADIUS: 1.190
MEAN RADIUS: 0.588
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.842	0.608
2:	-0.425	0.757
3:	-0.217	0.323
4:	-0.357	0.160
5:	-0.142	-0.038
6:	-0.550	-0.287
7:	-0.602	-0.661
8:	-0.172	-0.479
9:	0.480	0.002
10:	0.949	-0.350

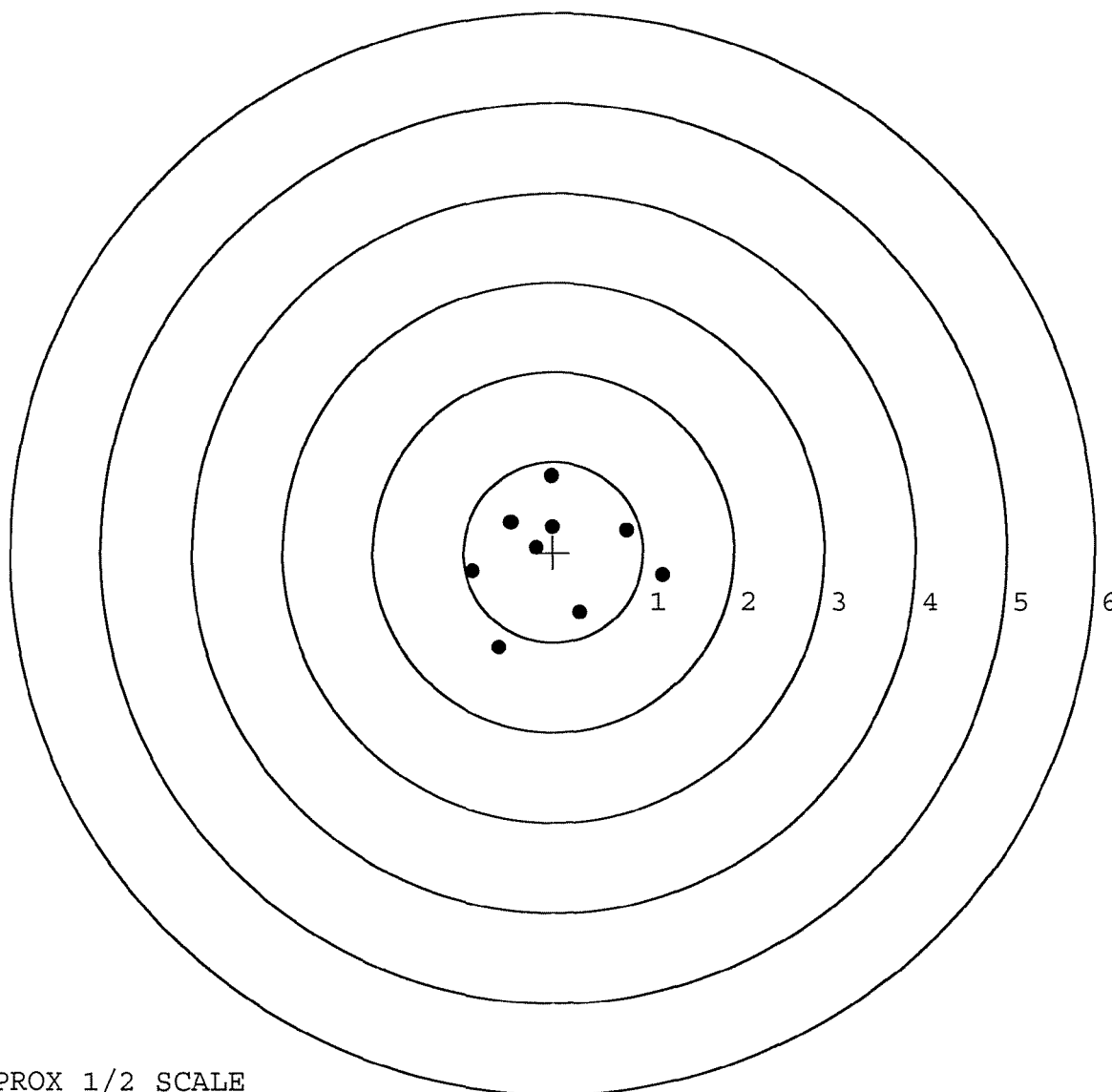


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. __0
TARGET NUMBER: 5
FILE DATE: 07/17/2007
FILE TIME: 22:27

X CENTROID: -0.037
Y CENTROID: -0.008
POA TO CENTROID: 0.037
HORZ SPREAD: 2.109
VERT SPREAD: 1.905
GROUP SPREAD: 2.110
MIN RADIUS: 0.167
MAX RADIUS: 1.275
MEAN RADIUS: 0.742
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.020	0.845
2:	-0.017	0.283
3:	-0.189	0.060
4:	-0.485	0.337
5:	-0.895	-0.208
6:	-0.611	-1.060
7:	0.299	-0.671
8:	0.810	0.250
9:	1.214	-0.258
10:	-0.471	0.338



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		<u>00130509</u>		
SERIAL NUMBER		<u>C 6594553</u>		
LOG-IN DATE		<u>6-25-07</u>		
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-25-07	S.P.D.
505	RE-BARREL		6-28-07	S.P.D.
560	ASSEMBLE		7-9-07	RTZ
600	PROOF		7-10-07	TRW
605	CHECK HEADSPACE		7-10-07	TRW
610	DIS-ASSEMBLE GUN		7-11-07	RTZ
612	MAGNAFLUX	OPERATOR <u>mmul</u>	7/12/07	mmul
510	DRILL AND TAP		7-11-07	SD
615	ROLLMARK CALIBER		7-12-07	CW
618	ROTO-BLAST		7-12-07	CB
620	APPLY COATINGS		7/13/07	FB
625	FINAL ASSEMBLY		7-16-07	S.P.D.
640	FUNCTION TEST AND	PASS FAIL	7/17/07	mm
650	TARGET	PASS FAIL	7/17/07	mm
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	7-17-07	SD
670	FINAL INSPECTION		7-18-07	DA
	A) HEADSPACE	PASS FAIL	7-18-07	DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.87 2.88 2.90 2.93 2.92 7-18-07	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.0 3.5 3.5 7-18-07	DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.0 2.0 2.0 7-18-07	DA
	I) FIRING PIN INDENT	.020	.022 .021 .022 7-18-07	DA
690	PACK			

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: **RE00034880** Serial: C6594553 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 11/1/01 7:47:13 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: C CO 2/3RD SFGA C CO 2/3RD SFGA

Address 1: 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:

Condition: Poor

Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qt
A007	With Stud	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

11/1/01 9:47 AM CAPS NUM NS SCL

Start Inbox - Micro... Calendar - M... Microsoft Excel NJBGS Corp. Arms Serv...

Serial Number:

C6594553

Model: **700**



RE00034880

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594553.___0
FILE DATE AND TIME: 11/27/2001 02:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

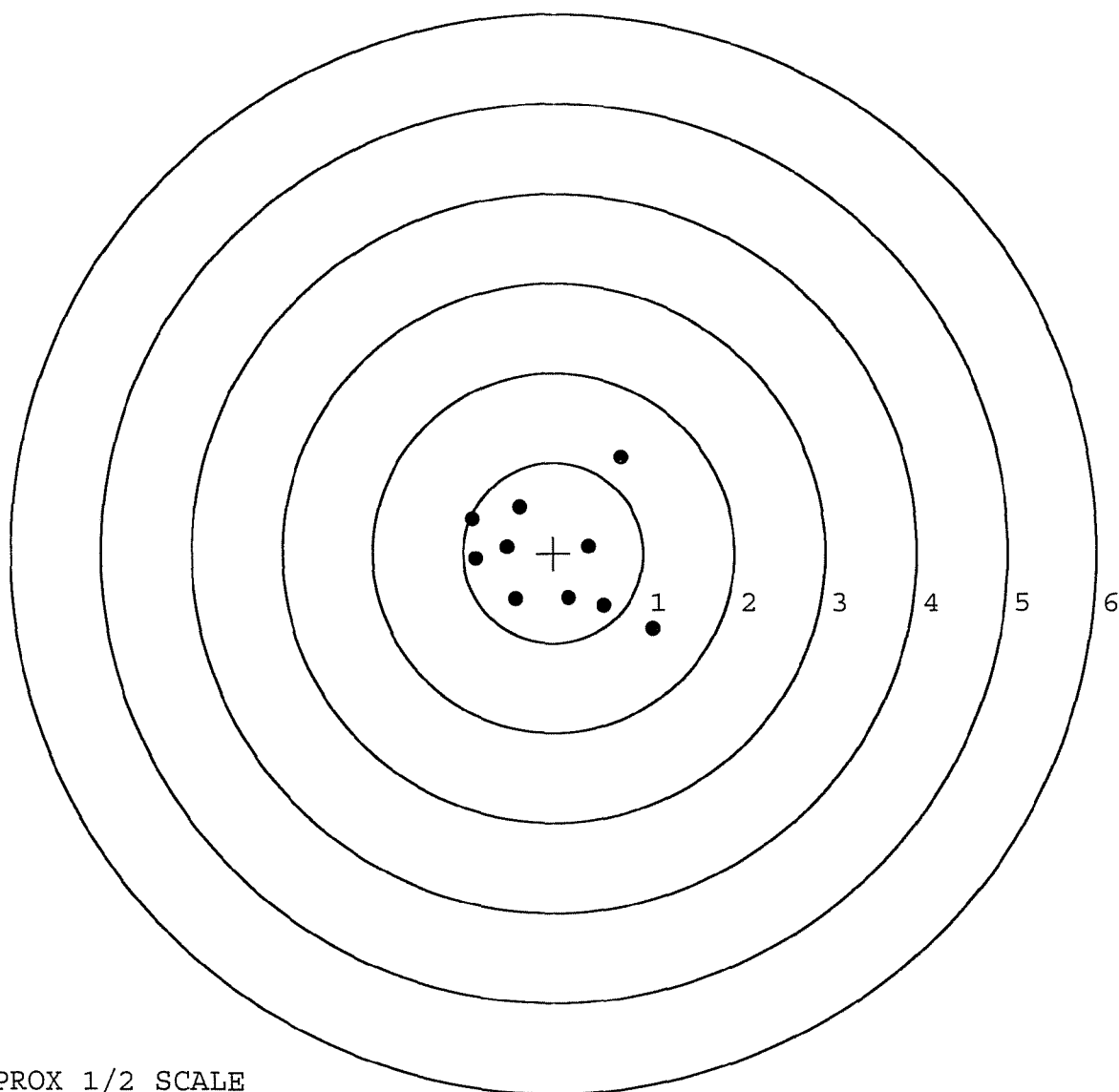
The Average X Centroid of the Five Target Set:	-0.040
The Average Y Centroid of the Five Target Set:	-0.038
The Average Point of Impact of the Five Target Set:	0.055
The Average Mean Radius of the Five Target Set:	0.894
The Distance from POA to Centroid Target #1:	0.045
The Distance from Centroid Target #2 to Centroid Target #1:	0.256
The Distance from Centroid Target #3 to Centroid Target #1:	0.105
The Distance from Centroid Target #4 to Centroid Target #1:	0.318
The Distance from Centroid Target #5 to Centroid Target #1:	0.269

SERIAL NUMBER: C6594553. __ 0
TARGET NUMBER: 1
FILE DATE: 11/27/2001
FILE TIME: 02:47

X CENTROID: -0.011
Y CENTROID: -0.044
POA TO CENTROID: 0.045
HORZ SPREAD: 2.002
VERT SPREAD: 1.911
GROUP SPREAD: 2.347
MIN RADIUS: 0.421
MAX RADIUS: 1.377
MEAN RADIUS: 0.807

POINT#	X	Y
1:	0.747	1.062
2:	0.392	0.079
3:	1.106	-0.849
4:	0.563	-0.592
5:	0.167	-0.506
6:	-0.425	-0.515
7:	-0.862	-0.072
8:	-0.516	0.068
9:	-0.385	0.512
10:	-0.896	0.376

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



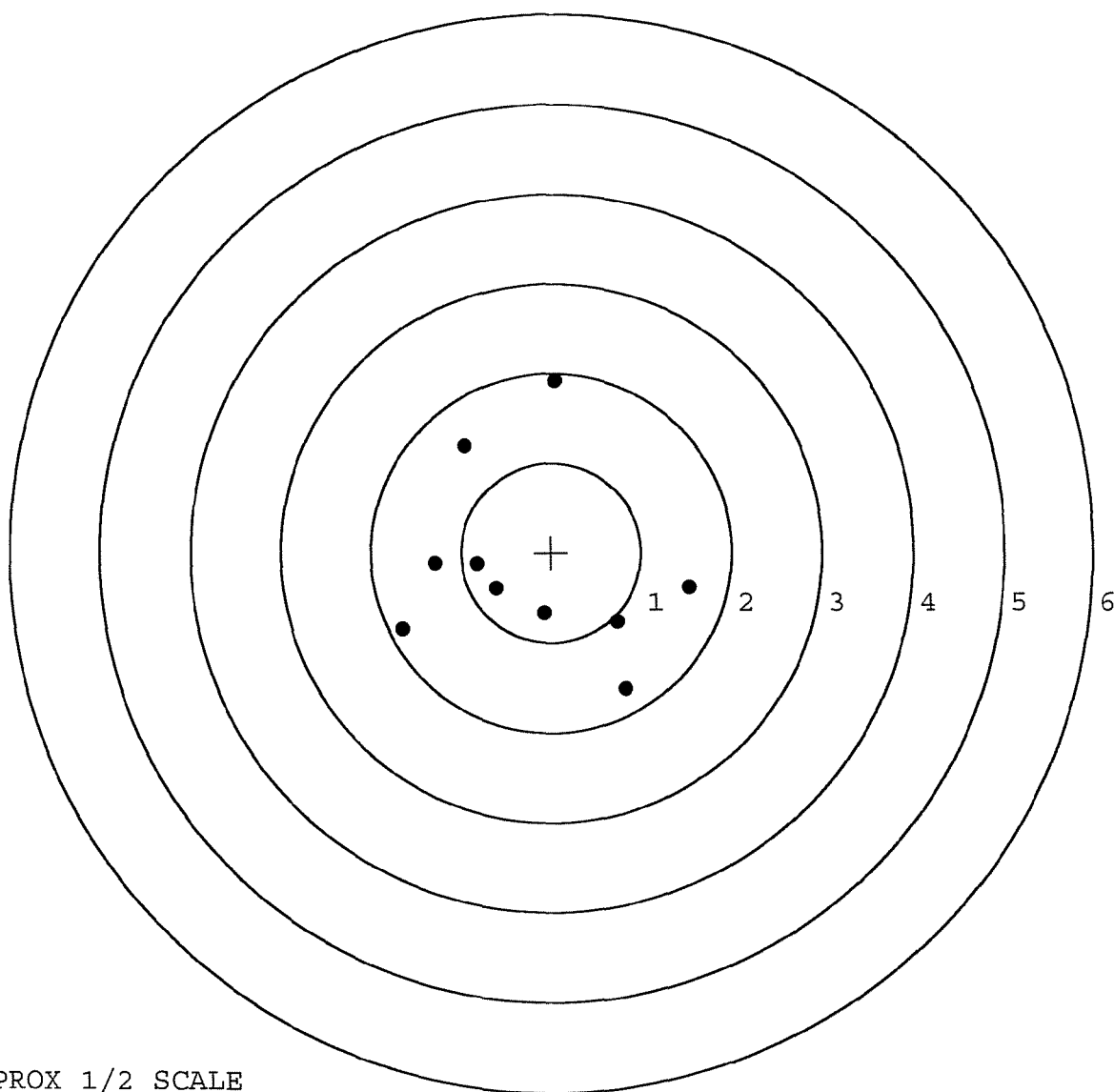
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. __0
TARGET NUMBER: 2
FILE DATE: 11/27/2001
FILE TIME: 02:47

X CENTROID: -0.228
Y CENTROID: -0.179
POA TO CENTROID: 0.290
HORZ SPREAD: 3.182
VERT SPREAD: 3.435
GROUP SPREAD: 3.526
MIN RADIUS: 0.444
MAX RADIUS: 2.112
MEAN RADIUS: 1.248

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 5

POINT#	X	Y
1:	0.034	1.917
2:	-0.963	1.188
3:	-1.290	-0.133
4:	-1.648	-0.864
5:	-0.823	-0.137
6:	-0.612	-0.401
7:	-0.075	-0.678
8:	1.534	-0.391
9:	0.734	-0.769
10:	0.830	-1.518

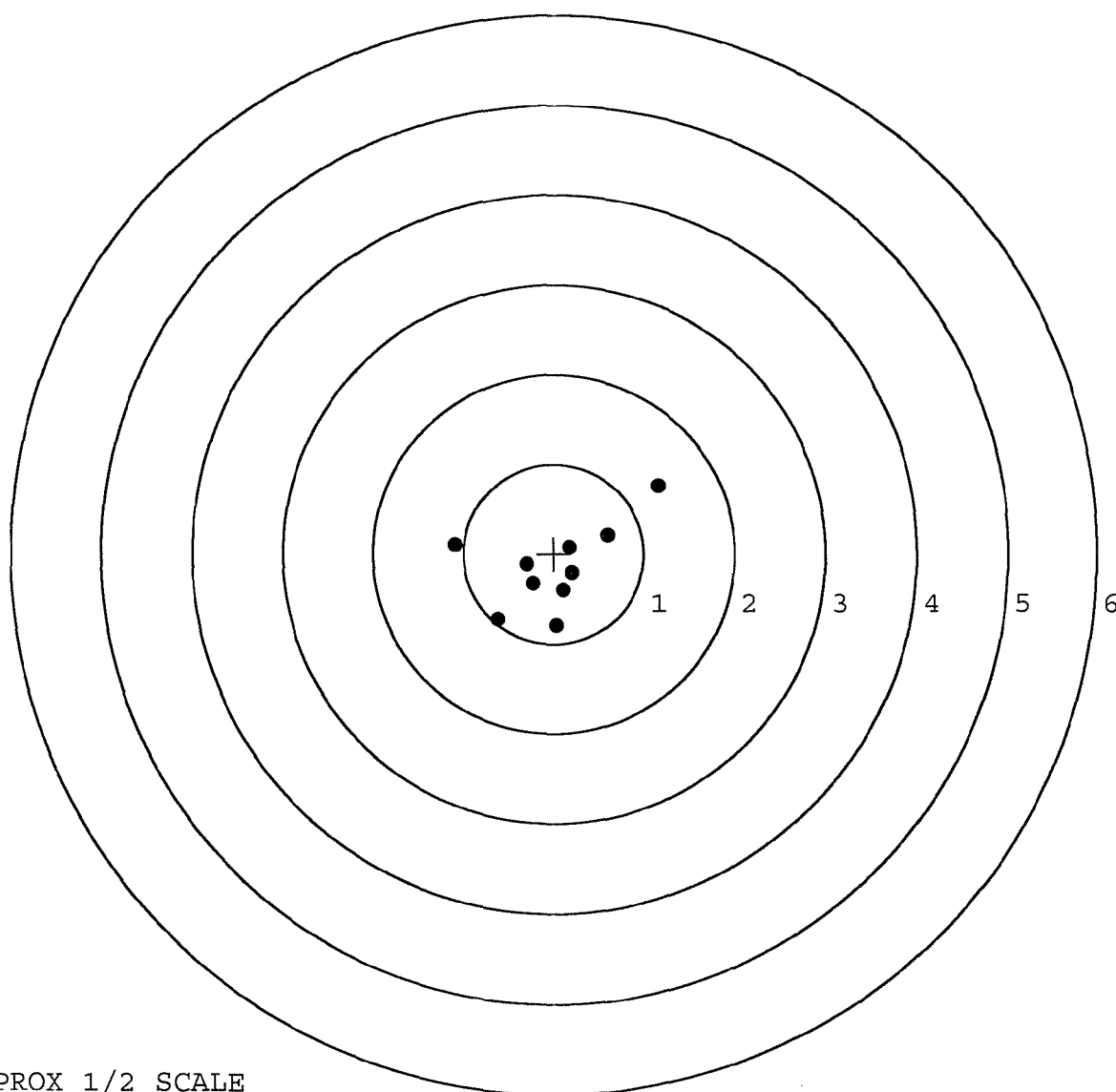


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553.___0
TARGET NUMBER: 3
FILE DATE: 11/27/2001
FILE TIME: 02:47

X CENTROID: 0.003
Y CENTROID: -0.148
POA TO CENTROID: 0.148
HORZ SPREAD: 2.248
VERT SPREAD: 1.560
GROUP SPREAD: 2.343
MIN RADIUS: 0.216
MAX RADIUS: 1.464
MEAN RADIUS: 0.618
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.154	0.757
2:	0.603	0.208
3:	0.178	0.073
4:	-0.306	-0.121
5:	-1.094	0.095
6:	-0.623	-0.728
7:	0.029	-0.803
8:	-0.227	-0.334
9:	0.107	-0.407
10:	0.208	-0.217



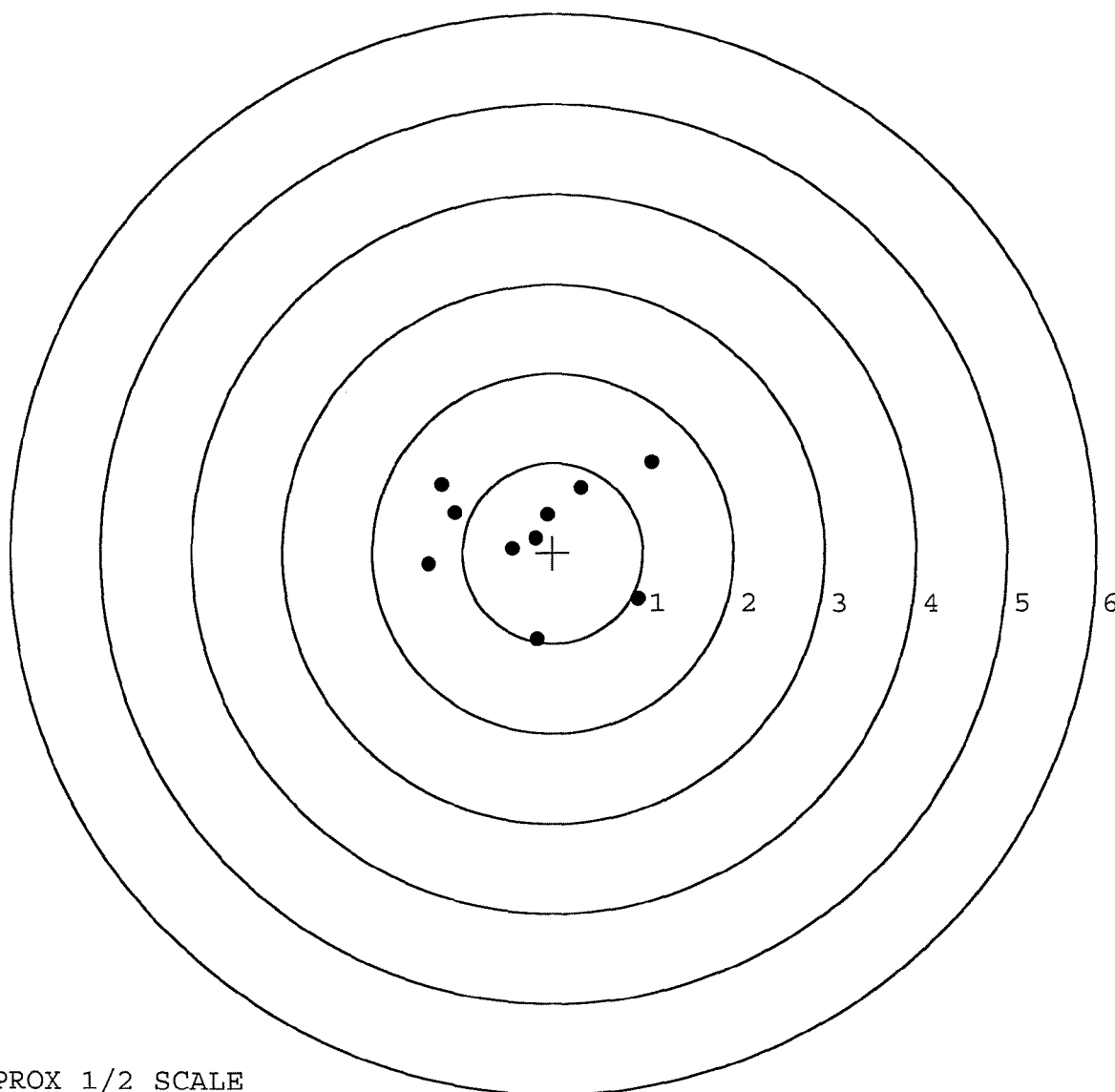
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553.___0
TARGET NUMBER: 4
FILE DATE: 11/27/2001
FILE TIME: 02:47

X CENTROID: -0.223
Y CENTROID: 0.194
POA TO CENTROID: 0.295
HORZ SPREAD: 2.470
VERT SPREAD: 1.975
GROUP SPREAD: 2.723
MIN RADIUS: 0.043
MAX RADIUS: 1.551
MEAN RADIUS: 0.867

POINT#	X	Y
1:	1.096	1.010
2:	0.309	0.722
3:	-0.061	0.425
4:	-0.194	0.162
5:	-0.448	0.048
6:	-1.236	0.747
7:	-1.089	0.437
8:	-1.374	-0.137
9:	-0.178	-0.965
10:	0.949	-0.507

IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9



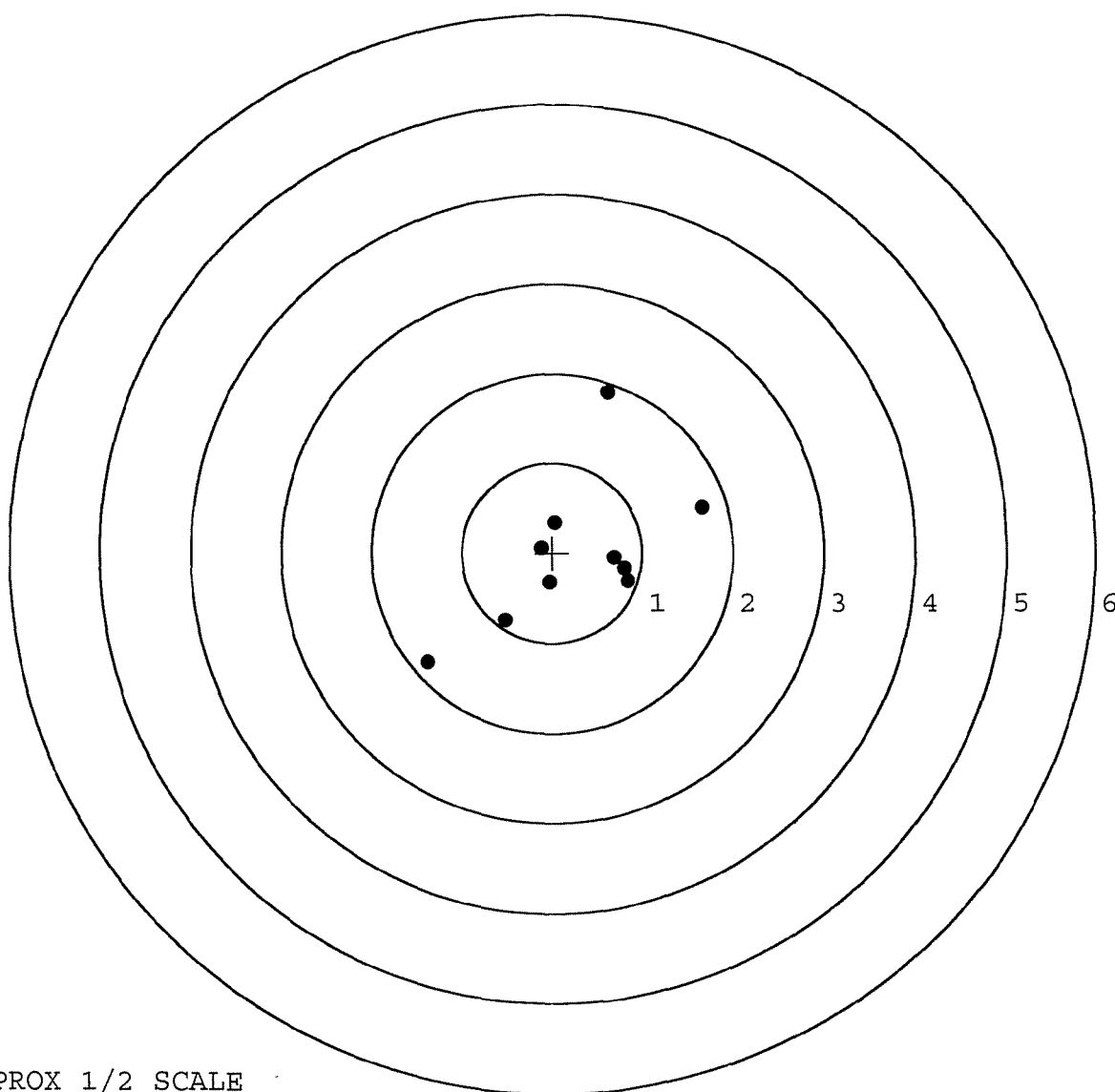
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553.___0
TARGET NUMBER: 5
FILE DATE: 11/27/2001
FILE TIME: 02:47

X CENTROID: 0.256
Y CENTROID: -0.013
POA TO CENTROID: 0.256
HORZ SPREAD: 3.028
VERT SPREAD: 3.012
GROUP SPREAD: 3.611
MIN RADIUS: 0.385
MAX RADIUS: 2.026
MEAN RADIUS: 0.931

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.617	1.795
2:	1.654	0.511
3:	0.027	0.335
4:	-0.123	0.055
5:	-1.374	-1.217
6:	-0.526	-0.751
7:	-0.030	-0.329
8:	0.839	-0.312
9:	0.796	-0.173
10:	0.681	-0.047



TARGET APPROX 1/2 SCALE

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

[illegible]

Final Inspection

In: CL594553

DATE REC'D: 11-1-01

DATE RET'D: 11-28-01

EDITOR: RTH

Item:

Barrel Assy.

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

Item:

Stock Assy.

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

Scope Assy.

☒ SCOPE☒ SCOPE RINGS☒ MOUNTING SCREWS☒ MOUNTING BASE☒ SCREWS☒ FINISH☒ LOOSENESS☒ CLARITY

Systems Case

☒ SCOPE CASE☒ IRON SIGHTS☒ DEPLOYMENT KIT

Trigger

☒ SAFETY OPERATION☒ SET

Comments: _____

Misc.

☒ DD-250☒ BAR CODE☒ PACKAGING




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

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

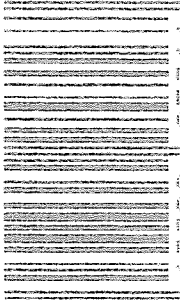
MODEL 700TM M24

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

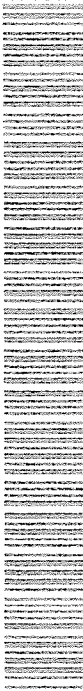
SERIAL NO.
C6594553

ORDER NO.
5716

UPC



0 4700 25716



5716 C6594553

INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594553

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-79/	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	1 10 91		LB
618	Polish Barrel	1 10 91		LB
620	Apply Coatings (Barrel Action)		1-26-91	HA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	RW
	C) Inspect Ejector Hole for Chamfer		1/28/91	RW
	D) Oil Firing Pin Ass'y		1/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/6/91	RM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			2/6/91	WB
	G) Safety Off Force	2	2	2			2/6/91	WB
	H) Trigger Pull Test & Retainability						2/6/91	JH
	I) Firing Pin Indent	.0215	.0217	.0215			2/6/91	WB
	J) Assemble Stock						2/7/91	RW
	K) Assemble Swivel Studs						2-21-91	AC
	L) Attach Front and Rear Sight Assemblies						2/7/91	RW
	M) Iron Sight Alignment						2/7/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/7/91	RW
	O) Attach Scope to Rifle						2/7/91	RW
	P) Detach & Attach Scope 20 Times						2/7/91	RW
640	Gallery Target & Test						2-7-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						2-7-91	NF
655	Final Inspection							
	A) Headspace						2-21-91	AC
	B) Trigger Pull	2.60	2.67	2.62	2.69	2.77	2/15/91	WB
	C) Function						2-21-91	AC
660	Pack						3-15-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594553

DATE 2/6/91

TESTER _____

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.24	2.41	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.40	2.50	2.67	
PULL #3	2.30	2.27	2.48	2.62	
PULL #4	2.30	2.37	2.39	2.69	
PULL #5	2.35	2.37	2.48	2.77	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.24		
PULL #2	3.38	3.43		
PULL #3	3.41	3.27		
PULL #4	3.24	3.37		
PULL #5	3.31	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.22		4.44
PULL #2	4.38	4.19		4.28
PULL #3	4.39	4.38		4.43
PULL #4	4.27	4.36		4.39
PULL #5	4.54	4.34		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594553
8 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.173277
1 TO	2	.284121
1 TO	3	.226292
1 TO	4	.367539
1 TO	5	.347079

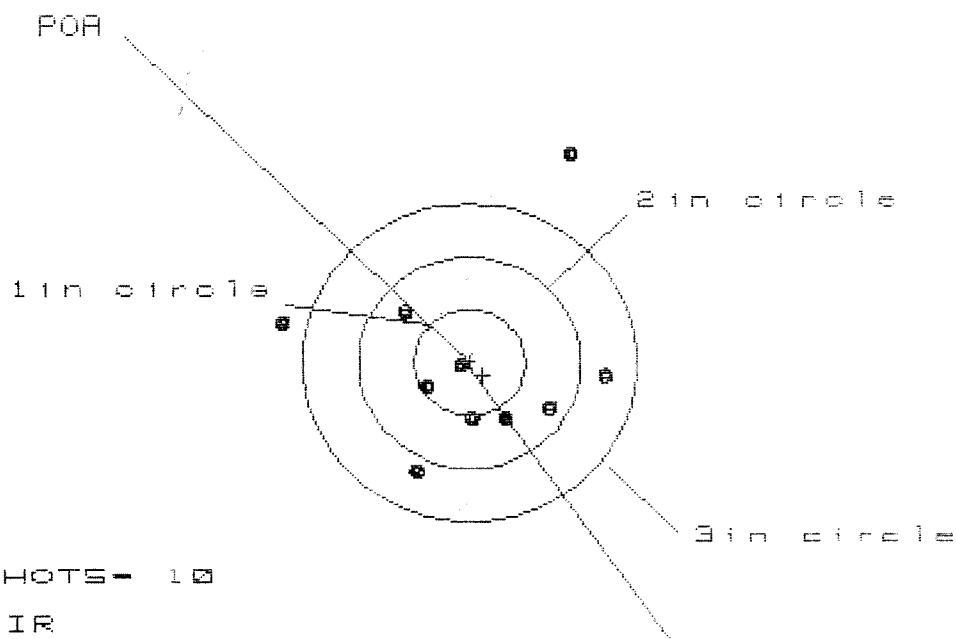
43 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1174
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.084
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .144356
THE AMR FOR THIS RIFLE IS: .9282

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08534553

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.926

VS= 2.991

GS= 3.321

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.233	1.339	1.141
MINIMUM X	-1.693	-1.587	-0.715
MAXIMUM Y	1.952	.704	.781
MINIMUM Y	-1.039	-.822	-.745
CENTROID X	-.120	-.226	-.028
CENTROID Y	.125	-.092	-.169
POA TO CENTROID in.	.173	.244	.172
MIN RADIUS	.044	.235	.251
MEAN RADIUS	.960	.789	.653
MAX RADIUS	2.175	1.702	1.160
HORIZONTAL SPREAD	2.926	2.926	1.856
VERTICAL SPREAD	2.991	1.526	1.526
EXTREME SPREAD	3.321	2.966	1.964
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

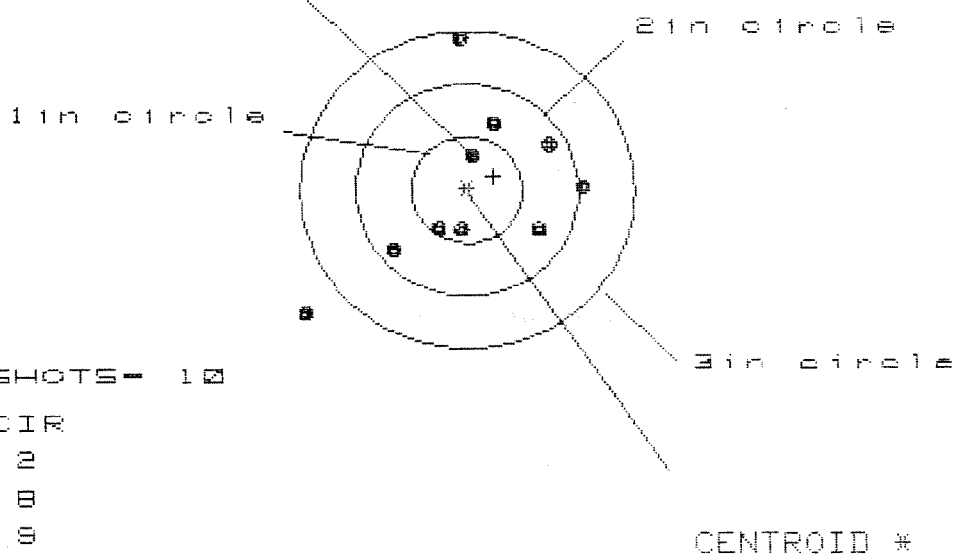
8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08534553

CENTERFIRE PATTERNS

2

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 2.486

VS= 2.607

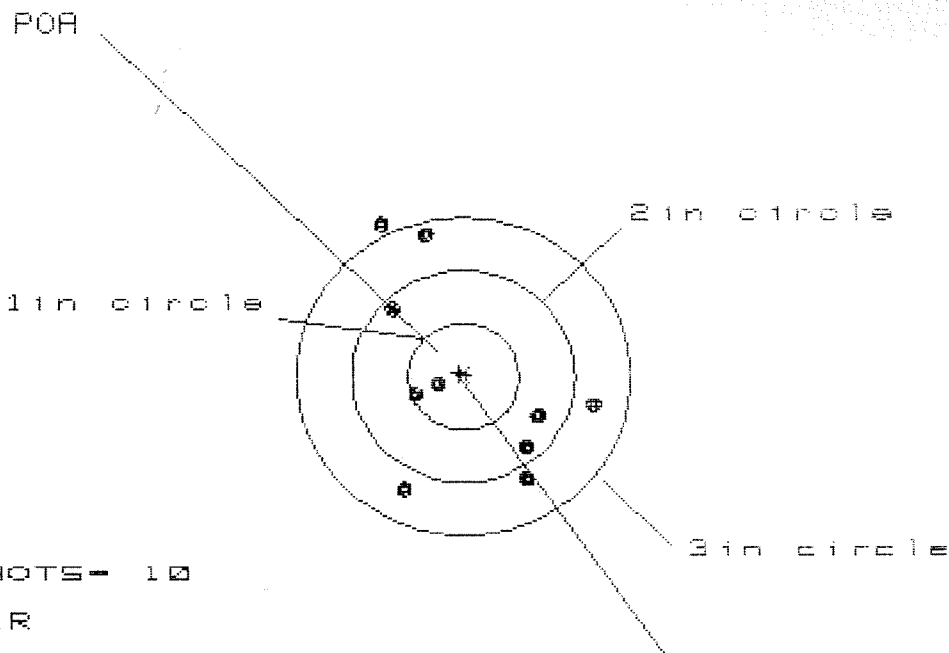
GS= 2.960

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.996	.831	.799
MINIMUM X	:	-1.490	-.847	-.879
MAXIMUM Y	:	1.451	1.323	.636
MINIMUM Y	:	-1.156	-.684	-.519
CENTROID X	:	-.239	-.074	-.042
CENTROID Y	:	-.133	-.005	-.170
POA TO CENTROID in.	:	.274	.074	.175
MIN RADIUS	:	.328	.256	.406
MEAN RADIUS	:	.864	.731	.646
MAX RADIUS	:	1.885	1.347	1.021
HORIZONTAL SPREAD	:	2.486	1.678	1.678
VERTICAL SPREAD	:	2.607	2.007	1.155
EXTREME SPREAD	:	2.960	2.093	1.779
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06534553

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.905

VS= 2.438

GS= 2.665

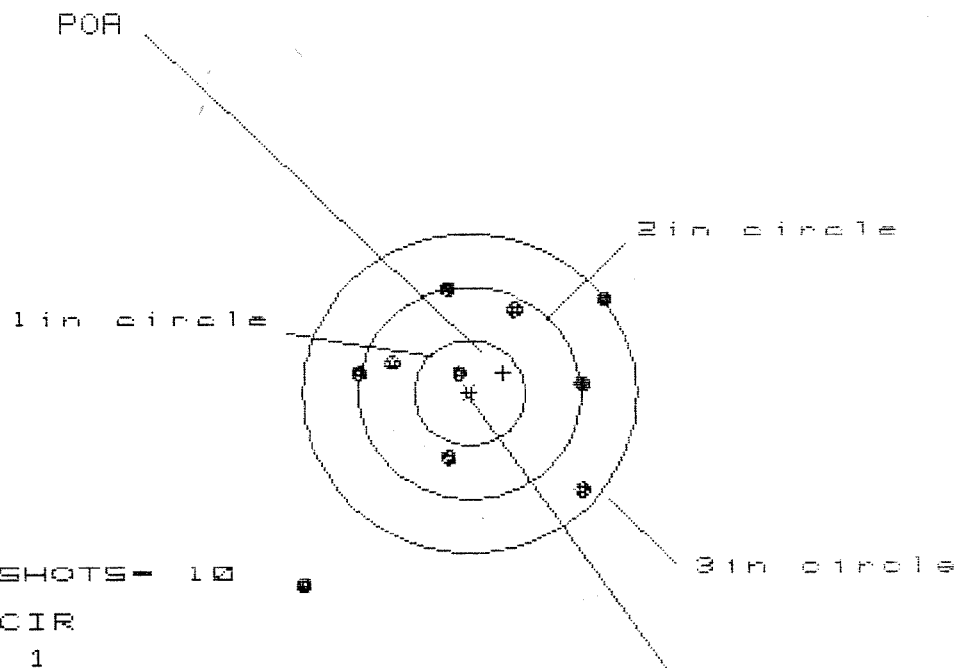
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.150	1.066	1.017
MINIMUM X	:	-.755	-.681	-.730
MAXIMUM Y	:	1.424	1.537	1.008
MINIMUM Y	:	-1.014	-.855	-.663
CENTROID X	:	.038	.122	.171
CENTROID Y	:	-.037	-.196	-.388
POA TO CENTROID in.	:	.053	.230	.424
MIN RADIUS	:	.284	.352	.467
MEAN RADIUS	:	.974	.879	.764
MAX RADIUS	:	1.612	1.586	1.244
HORIZONTAL SPREAD	:	1.905	1.747	1.747
VERTICAL SPREAD	:	2.438	2.392	1.671
EXTREME SPREAD	:	2.665	2.441	1.964
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

6 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594553

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 5

3 in - 9

HS= 2.714

VS= 2.751

GS= 3.792

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.224	1.059	1.022
MINIMUM X	-1.490	-1.138	-1.006
MAXIMUM Y	.950	.749	.830
MINIMUM Y	-1.802	-1.111	-1.030
CENTROID X	-.306	-.141	-.273
CENTROID Y	-.192	.009	-.072
POA TO CENTROID in.	.361	.141	.282
MIN RADIUS	.221	.290	.170
MEAN RADIUS	1.070	.907	.843
MAX RADIUS	2.338	1.408	1.434
HORIZONTAL SPREAD	2.714	2.197	2.028
VERTICAL SPREAD	2.751	1.860	1.860
EXTREME SPREAD	3.792	2.309	2.309
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

6 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594553

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in = 10

HS- 1.878

VS- 1.828

GS- 2.019

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.038	1.079	1.172
MINIMUM X	:	-.840	-.799	-.706
MAXIMUM Y	:	1.044	.751	.667
MINIMUM Y	:	-.784	-.668	-.618
CENTROID X	:	.040	-.001	-.094
CENTROID Y	:	-.183	-.299	-.216
POA TO CENTROID in.	:	.187	.299	.235
MIN RADIUS	:	.407	.308	.343
MEAN RADIUS	:	.773	.723	.672
MAX RADIUS	:	1.108	1.092	1.175
HORIZONTAL SPREAD	:	1.878	1.878	1.878
VERTICAL SPREAD	:	1.828	1.419	1.286
EXTREME SPREAD	:	2.019	1.978	1.978
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594553
12 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.321188
1 TO	2	.0950211
1 TO	3	.283933
1 TO	4	.131928
1 TO	5	.441494

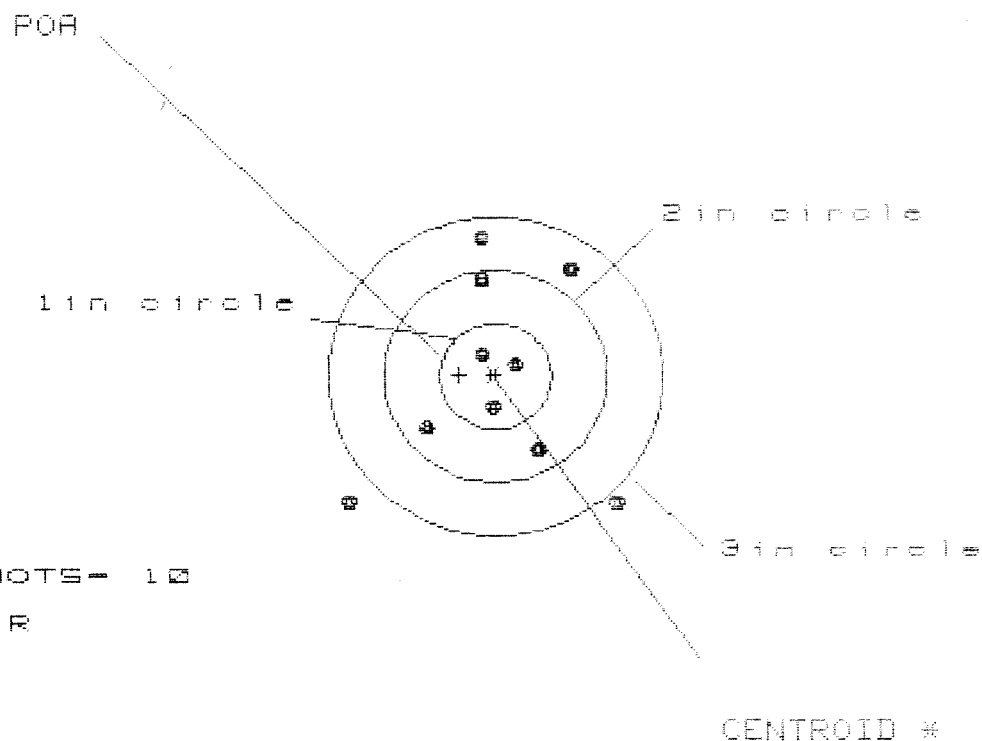
34 C----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1544
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0078
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .154597
THE AMR FOR THIS RIFLE IS: .9498

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594553.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.336

VS= 2.477

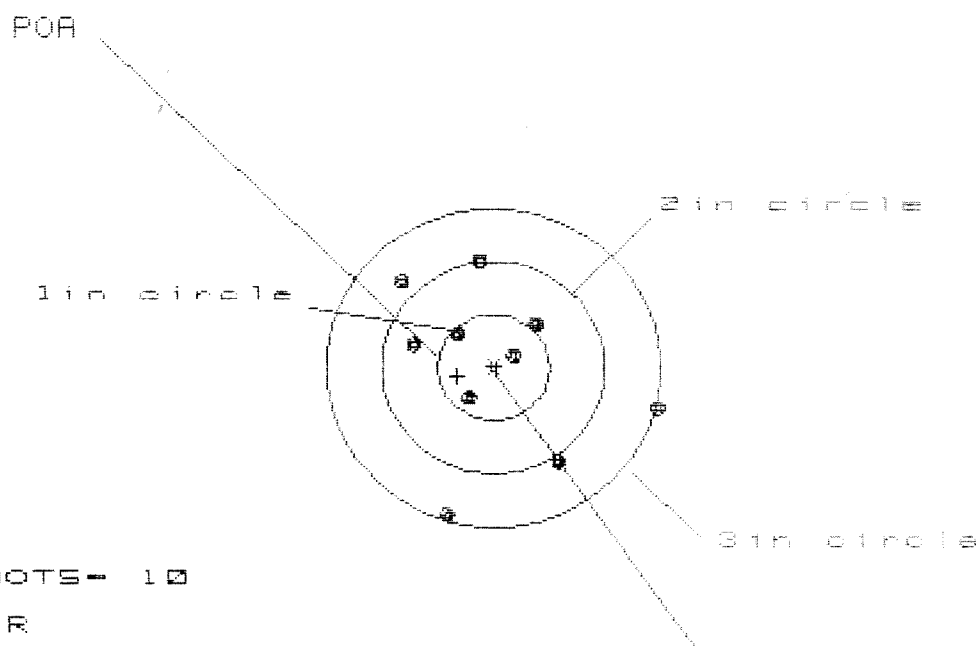
GS= 2.927

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.054	.912	.627
MINIMUM X	:	-1.282	-.755	-.641
MAXIMUM Y	:	1.311	1.181	1.019
MINIMUM Y	:	-1.166	-1.295	-.932
CENTROID X	:	.321	.463	.349
CENTROID Y	:	-.011	.119	.281
POA TO CENTROID in.	:	.321	.478	.448
MIN RADIUS	:	.254	.071	.112
MEAN RADIUS	:	.905	.797	.690
MAX RADIUS	:	1.733	1.583	1.036
HORIZONTAL SPREAD	:	2.336	1.667	1.268
VERTICAL SPREAD	:	2.477	2.476	1.951
EXTREME SPREAD	:	2.927	2.755	2.014
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534553.1

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 3

2in = 5

3in = 9

HS = 2.296

VS = 2.385

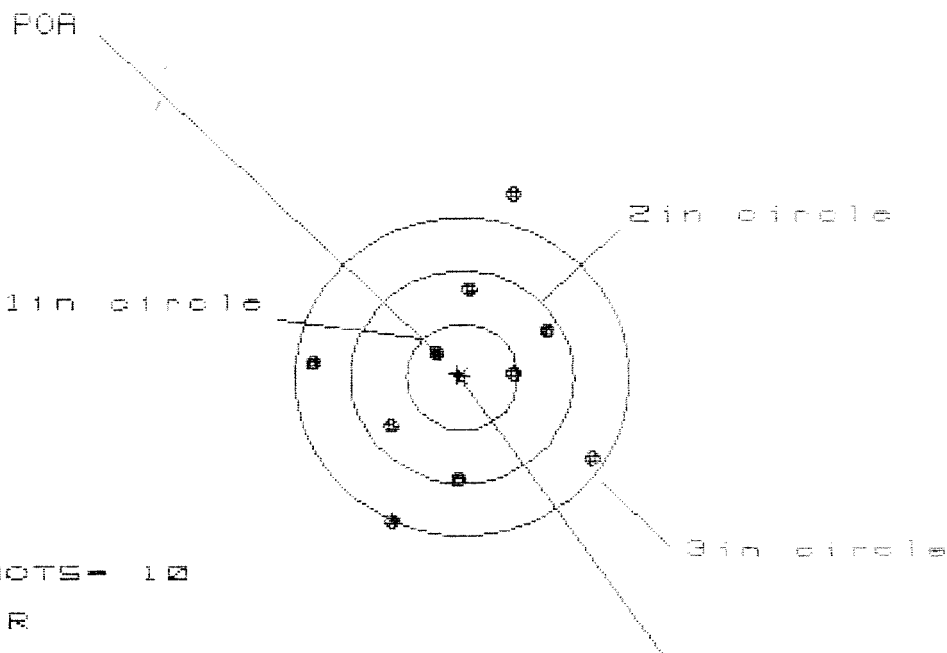
GS = 2.569

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.473	.698	.670
MINIMUM X	:	-.823	-.660	-.688
MAXIMUM Y	:	.998	.959	.781
MINIMUM Y	:	-1.387	-1.426	-1.087
CENTROID X	:	.323	.160	.188
CENTROID Y	:	.084	.123	.301
POA TO CENTROID in.	:	.334	.201	.355
MIN RADIUS	:	.222	.307	.178
MEAN RADIUS	:	.846	.754	.635
MAX RADIUS	:	1.513	1.443	1.277
HORIZONTAL SPREAD	:	2.296	1.358	1.358
VERTICAL SPREAD	:	2.385	2.385	1.868
EXTREME SPREAD	:	2.569	2.402	2.158
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594553.1

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 2.476

VS = 3.088

GS = 3.299

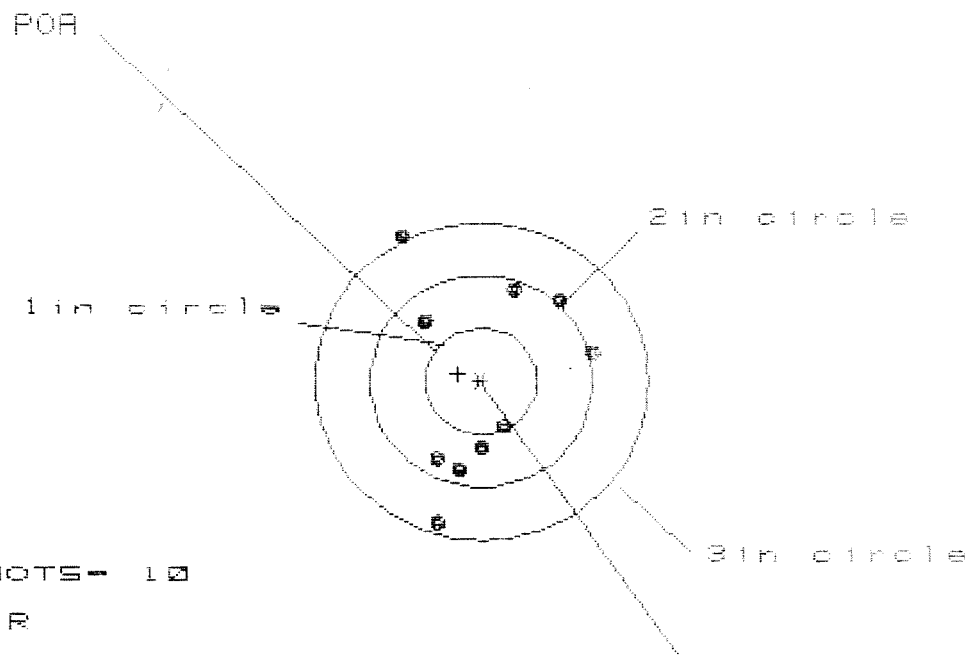
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.137	1.193	1.117
MINIMUM X	:	-1.339	-1.283	-1.359
MAXIMUM Y	:	1.744	1.053	.909
MINIMUM Y	:	-1.344	-1.150	-.892
CENTROID X	:	.038	-.018	.058
CENTROID Y	:	-.034	-.228	-.085
POA TO CENTROID in.	:	.051	.229	.102
MIN RADIUS	:	.359	.500	.410
MEAN RADIUS	:	1.040	.953	.889
MAX RADIUS	:	1.815	1.332	1.375
HORIZONTAL SPREAD	:	2.476	2.476	2.476
VERTICAL SPREAD	:	3.088	2.203	1.802
EXTREME SPREAD	:	3.299	2.644	2.644
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594553.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.691

VS= 2.641

GS= 2.655

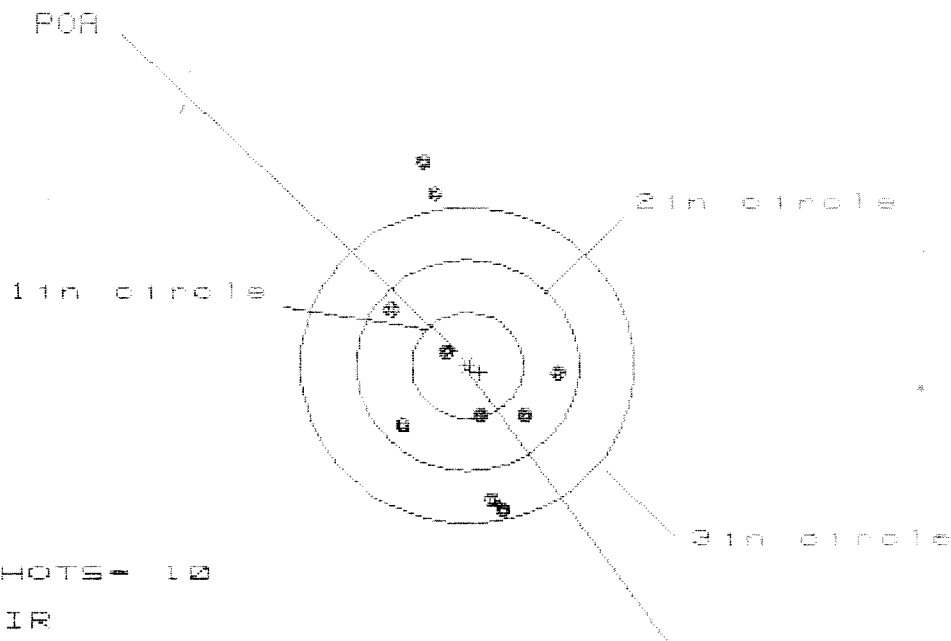
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.999	.922	.860
MINIMUM X	:	-.692	-.541	-.603
MAXIMUM Y	:	1.348	1.048	.905
MINIMUM Y	:	-1.293	-1.143	-.872
CENTROID X	:	.203	.280	.342
CENTROID Y	:	-.070	-.220	-.077
POA TO CENTROID in.	:	.215	.356	.350
MIN RADIUS	:	.498	.330	.453
MEAN RADIUS	:	.949	.856	.819
MAX RADIUS	:	1.515	1.245	.986
HORIZONTAL SPREAD	:	1.691	1.463	1.463
VERTICAL SPREAD	:	2.641	2.191	1.777
EXTREME SPREAD	:	2.655	2.370	1.925
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08534553.1

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 1.454

VS = 3.213

GS = 3.288

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.791	.749	.711
MINIMUM X	-.663	-.705	-.743
MAXIMUM Y	1.881	1.857	.993
MINIMUM Y	-1.332	-1.123	-.890
CENTROID X	-.113	-.071	-.033
CENTROID Y	.070	-.139	-.372
POR TO CENTROID in.	.132	.156	.373
MIN RADIUS	.177	.265	.664
MEAN RADIUS	1.009	.869	.699
MAX RADIUS	1.919	1.881	1.240
HORIZONTAL SPREAD	1.454	1.454	1.454
VERTICAL SPREAD	3.213	2.980	1.883
EXTREME SPREAD	3.288	3.036	2.126
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		