

G6414427
Replaced
C-652 3317

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: **RE00092953** Serial: C6523317 Model: M24 SWS Centerfire
 Verify Repair: [REDACTED] Caliber: 7.62 NATO Produced: 12/13/1990 Repairman: [REDACTED]
 Status: Closed 2/10/2005 1:45:1 PM

Address Information

Customer: ☒ Received From Return To: ☐ Received from

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: [REDACTED] Address 2: [REDACTED] PO Box: [REDACTED]

City: ANNISTON ANNISTON

State: AL AL Zip Code: 362014199 362014199 Country: US US

FEL: [REDACTED]

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: [REDACTED]
 Fax: [REDACTED]
 Email: [REDACTED]
 Comments: [REDACTED]

Received Condition

Condition: Good
 Condition Notes: [REDACTED]
 CSR Note: [REDACTED]

Accessories Received

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

Repair Search Refresh Close

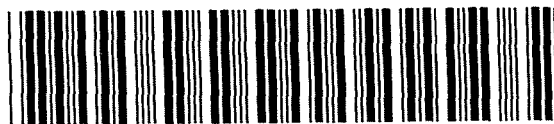
reglly 2/14/2005 9:18 AM CAPS NUM INS SCPL

start 5 2 4 Arms Services

6641 4427

Serial Number: **C6523317**

Model: **M24 SWS**



RE00092953

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6414427.___0
FILE DATE AND TIME: 06/20/2005 09:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

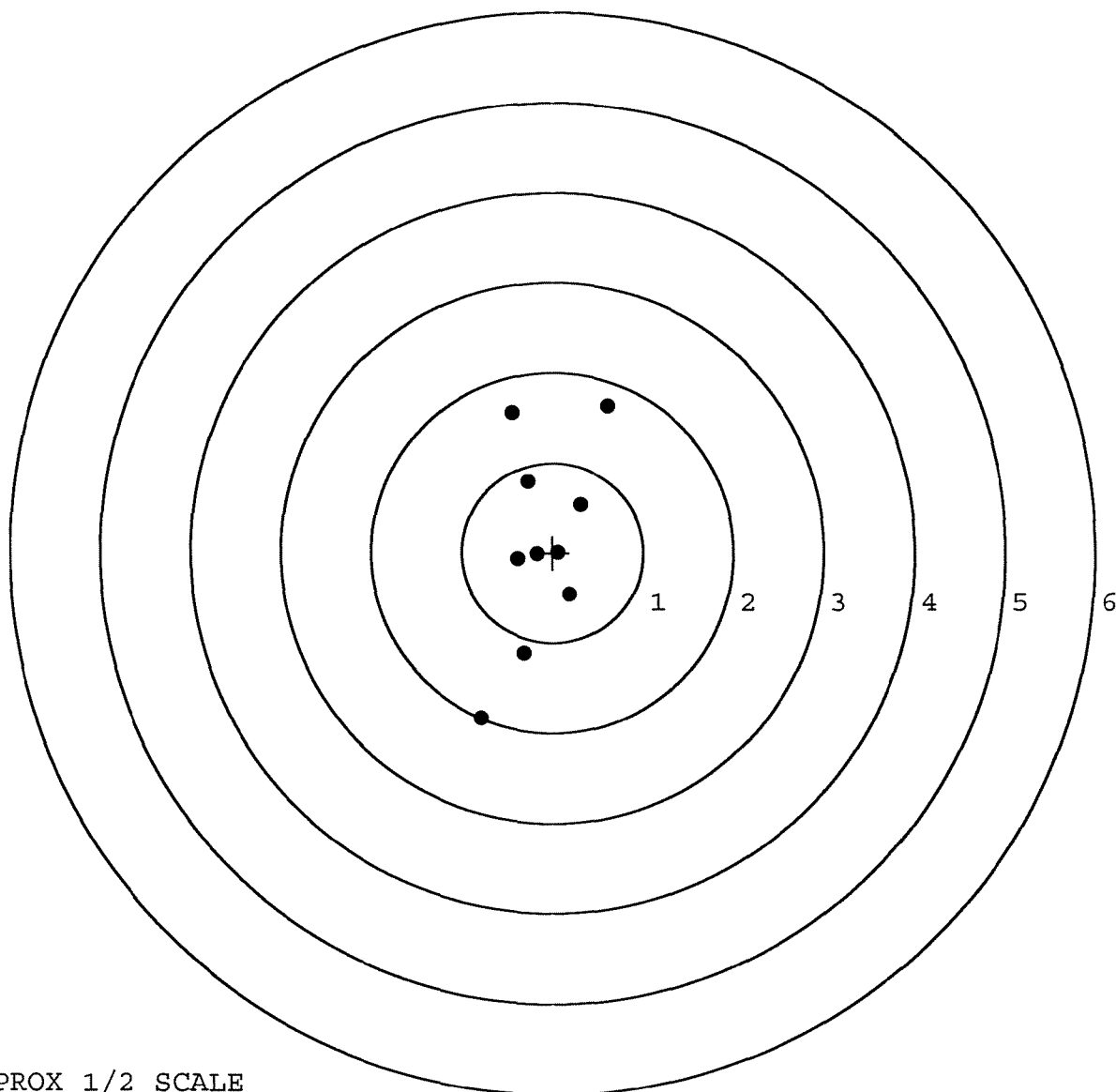
The Average X Centroid of the Five Target Set:	-0.012
The Average Y Centroid of the Five Target Set:	-0.121
The Average Point of Impact of the Five Target Set:	0.122
The Average Mean Radius of the Five Target Set:	0.915
The Distance from POA to Centroid Target #1:	0.157
The Distance from Centroid Target #2 to Centroid Target #1:	0.213
The Distance from Centroid Target #3 to Centroid Target #1:	0.402
The Distance from Centroid Target #4 to Centroid Target #1:	0.316
The Distance from Centroid Target #5 to Centroid Target #1:	0.674

SERIAL NUMBER: G6414427. 0
TARGET NUMBER: 1
FILE DATE: 06/20/2005
FILE TIME: 09:16

X CENTROID: -0.124
Y CENTROID: 0.097
POA TO CENTROID: 0.157
HORZ SPREAD: 1.398
VERT SPREAD: 3.472
GROUP SPREAD: 3.743
MIN RADIUS: 0.125
MAX RADIUS: 2.053
MEAN RADIUS: 0.909

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

POINT#	X	Y
1:	0.608	1.627
2:	-0.447	1.550
3:	-0.277	0.788
4:	0.309	0.530
5:	0.058	-0.002
6:	-0.175	-0.017
7:	-0.391	-0.070
8:	0.192	-0.473
9:	-0.325	-1.123
10:	-0.790	-1.845

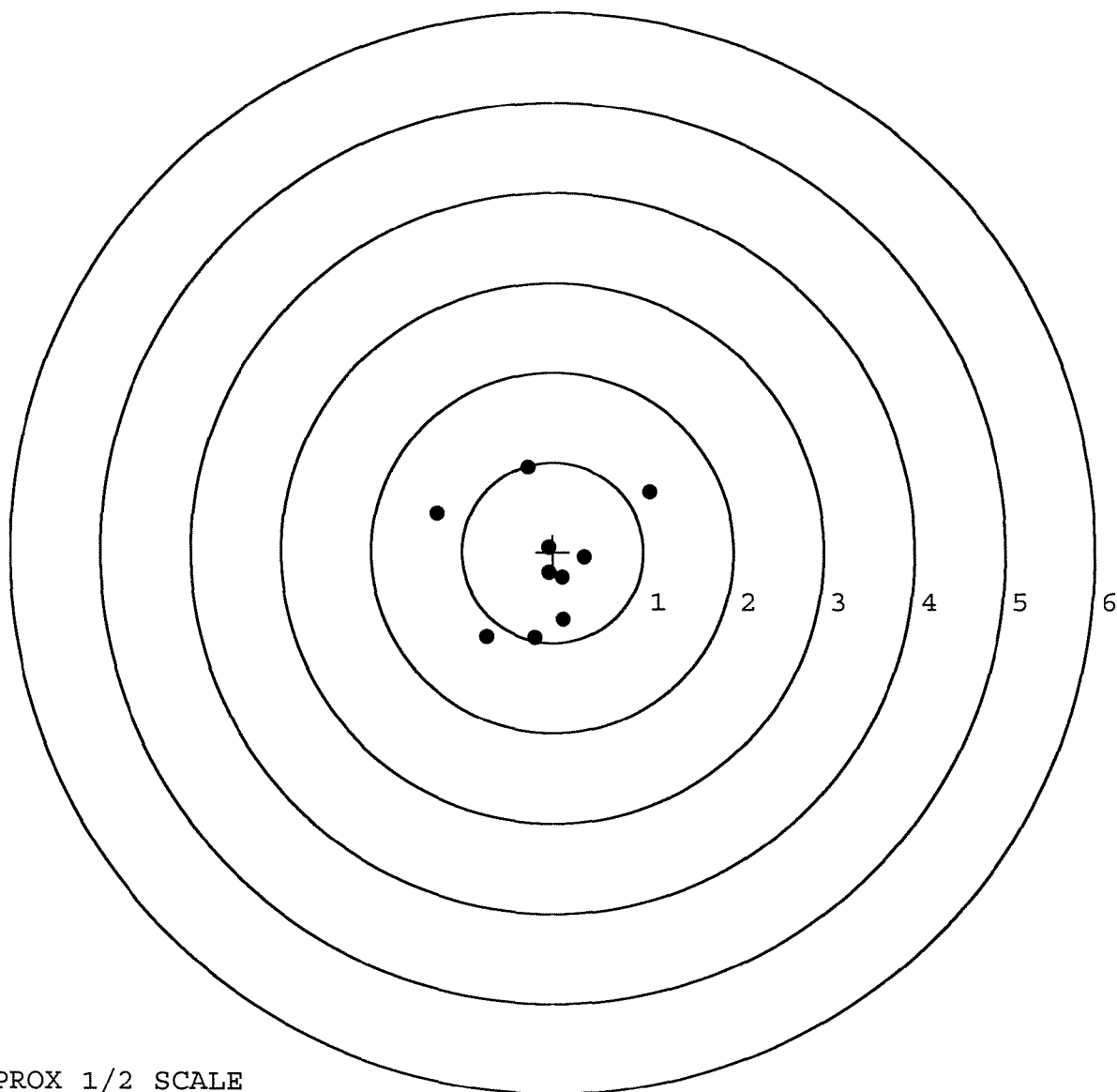


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414427. __0
TARGET NUMBER: 2
FILE DATE: 06/20/2005
FILE TIME: 09:16

X CENTROID: -0.096
Y CENTROID: -0.115
POA TO CENTROID: 0.150
HORZ SPREAD: 2.350
VERT SPREAD: 1.888
GROUP SPREAD: 2.416
MIN RADIUS: 0.122
MAX RADIUS: 1.401
MEAN RADIUS: 0.733
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.068	0.665
2:	-0.275	0.941
3:	-1.282	0.414
4:	0.117	-0.753
5:	-0.206	-0.947
6:	-0.732	-0.946
7:	0.104	-0.284
8:	-0.053	-0.229
9:	0.348	-0.062
10:	-0.050	0.053

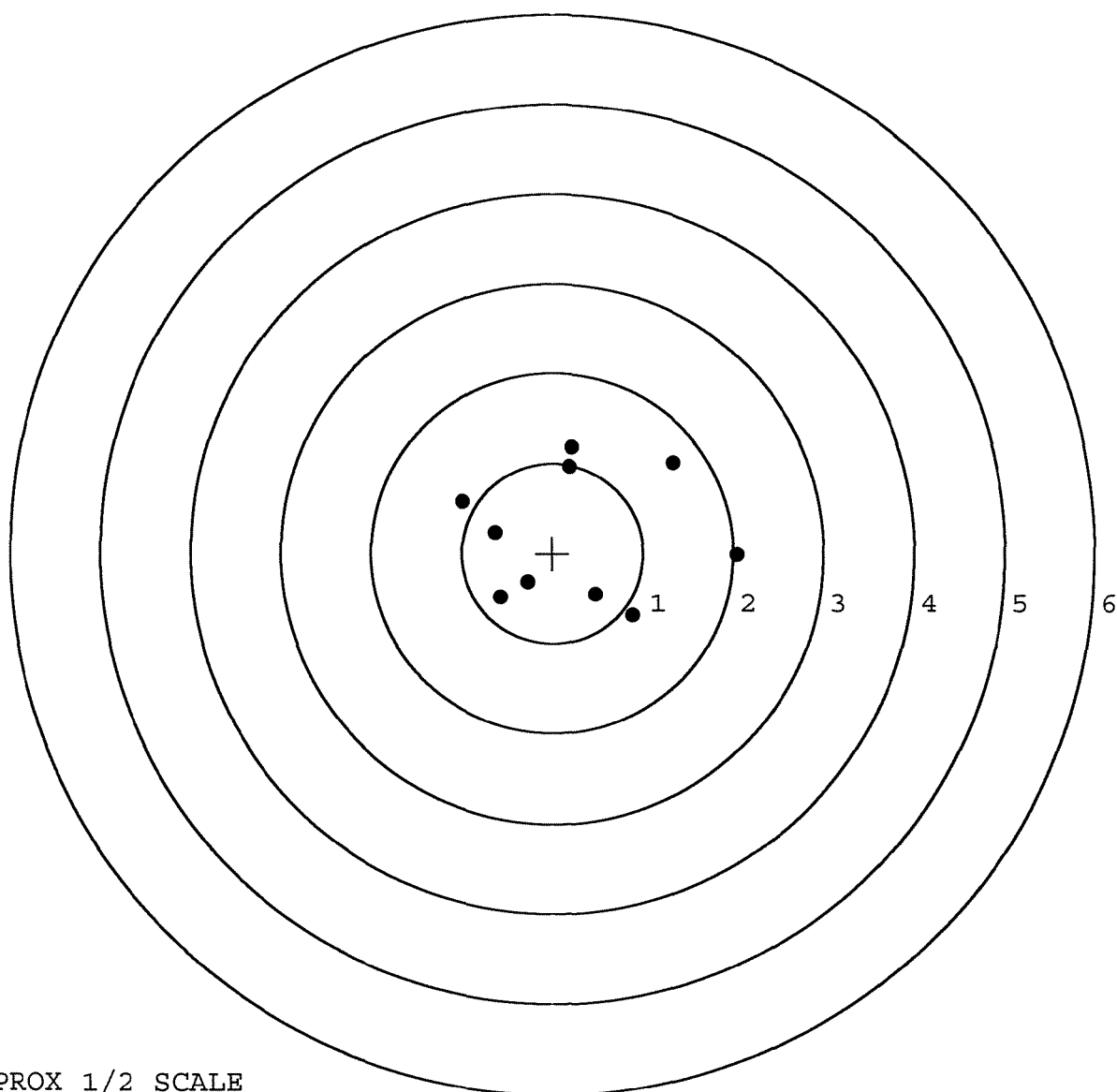


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414427. 0
TARGET NUMBER: 3
FILE DATE: 06/20/2005
FILE TIME: 09:16

X CENTROID: 0.266
Y CENTROID: 0.197
POA TO CENTROID: 0.331
HORZ SPREAD: 3.040
VERT SPREAD: 1.872
GROUP SPREAD: 3.097
MIN RADIUS: 0.689
MAX RADIUS: 1.792
MEAN RADIUS: 1.072
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.880	-0.692
2:	0.478	-0.459
3:	-0.277	-0.326
4:	-0.579	-0.489
5:	-0.635	0.228
6:	-0.995	0.571
7:	2.045	-0.018
8:	1.335	1.008
9:	0.187	0.966
10:	0.219	1.180

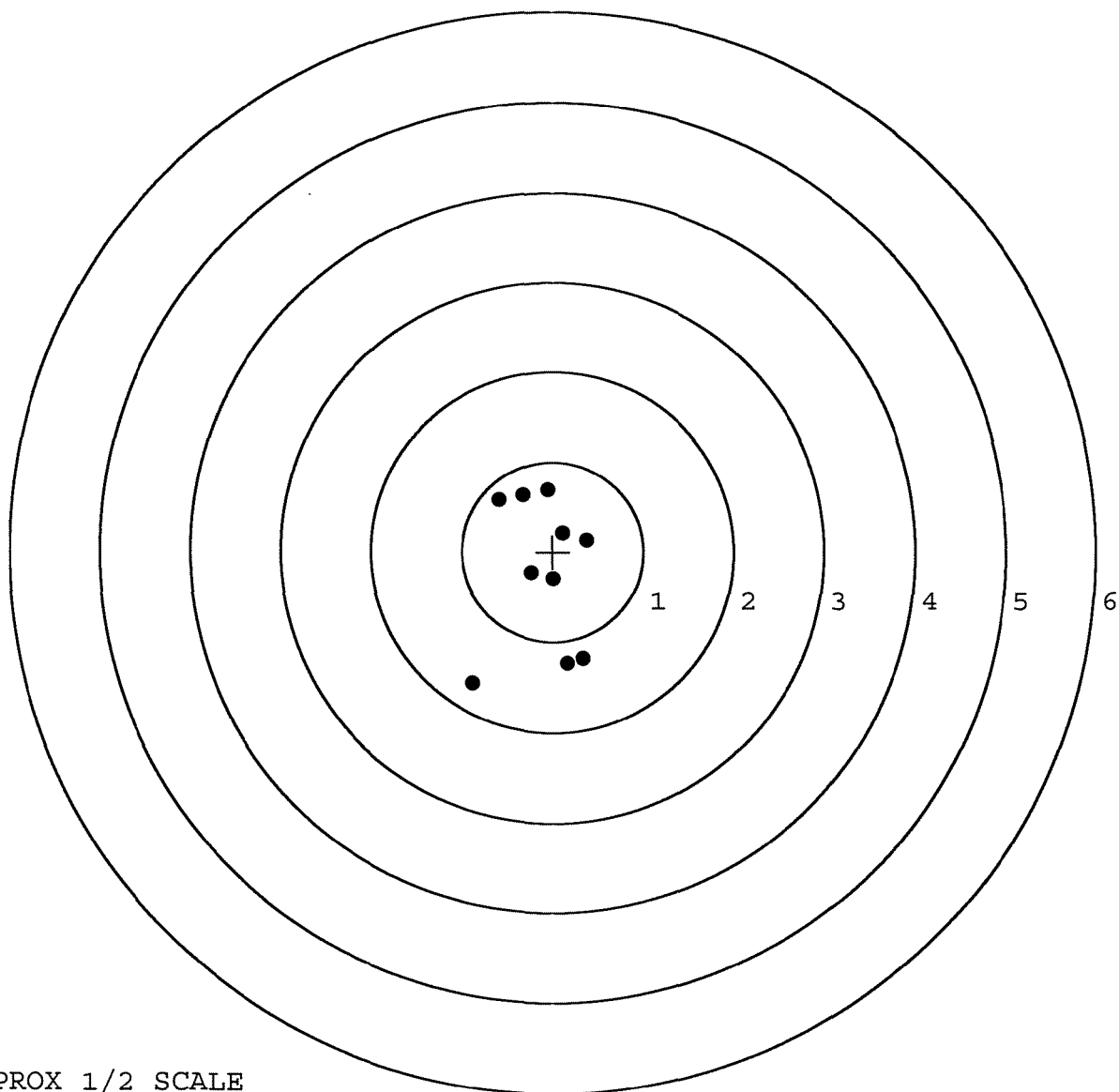


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414427. __0
 TARGET NUMBER: 4
 FILE DATE: 06/20/2005
 FILE TIME: 09:16

X CENTROID: -0.112
 Y CENTROID: -0.219
 POA TO CENTROID: 0.247
 HORZ SPREAD: 1.258
 VERT SPREAD: 2.157
 GROUP SPREAD: 2.308
 MIN RADIUS: 0.134
 MAX RADIUS: 1.464
 MEAN RADIUS: 0.766
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.337	-1.191
2:	0.164	-1.241
3:	-0.880	-1.466
4:	0.378	0.128
5:	0.108	0.209
6:	-0.006	-0.301
7:	-0.245	-0.234
8:	-0.058	0.691
9:	-0.331	0.633
10:	-0.589	0.577



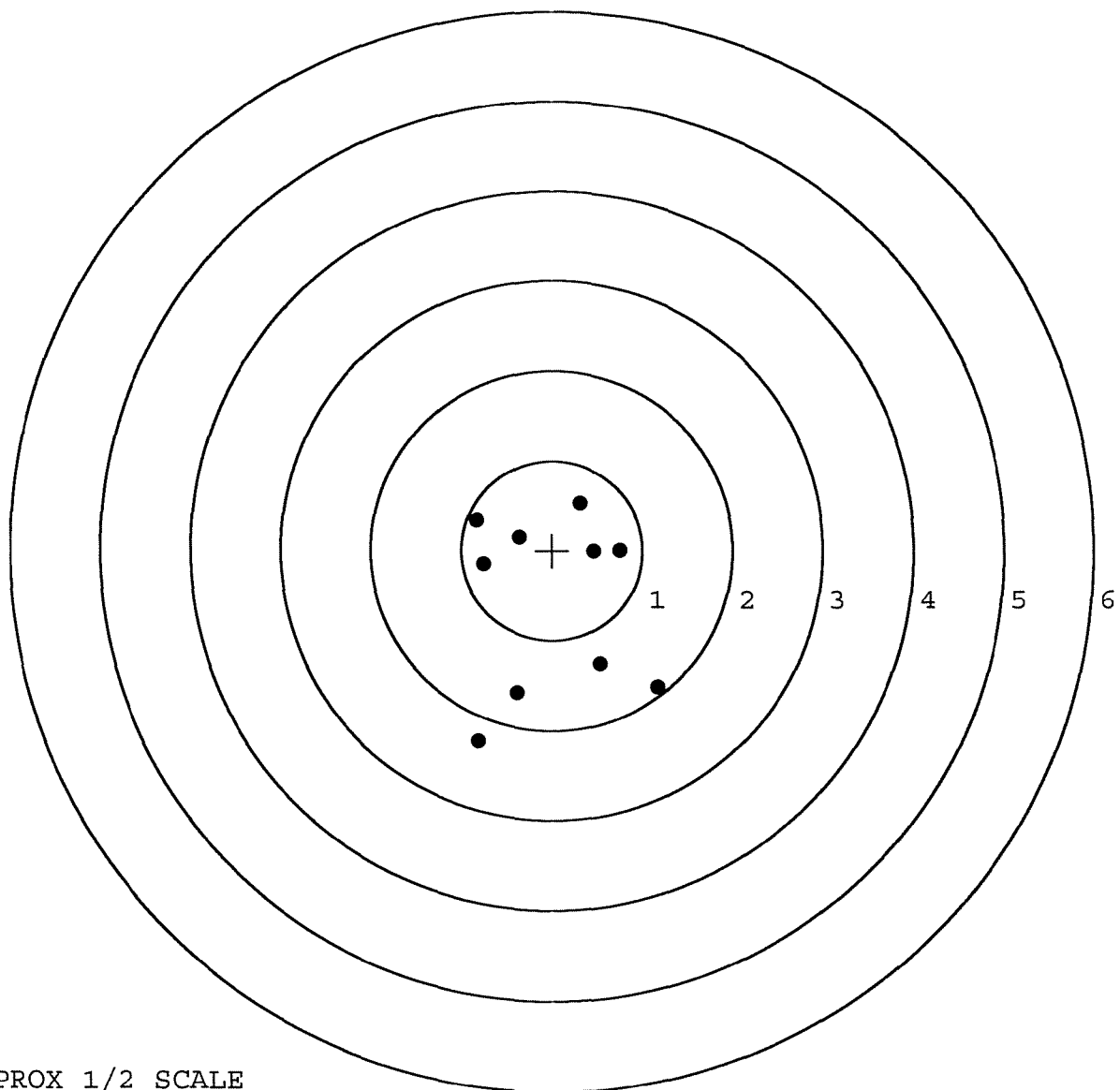
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414427. __0
TARGET NUMBER: 5
FILE DATE: 06/20/2005
FILE TIME: 09:16

X CENTROID: 0.007
Y CENTROID: -0.565
POA TO CENTROID: 0.565
HORZ SPREAD: 2.002
VERT SPREAD: 2.649
GROUP SPREAD: 2.879
MIN RADIUS: 0.719
MAX RADIUS: 1.762
MEAN RADIUS: 1.092

IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.747	-0.005
2:	0.461	-0.007
3:	0.313	0.525
4:	-0.361	0.150
5:	-0.756	-0.155
6:	-0.829	0.338
7:	1.173	-1.522
8:	0.530	-1.262
9:	-0.390	-1.586
10:	-0.814	-2.124



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92953		
SERIAL NUMBER	26523317		66414427
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-26-05	RTZ
560 A	RE-BARREL	5-3-05	RTZ
B	DRILL AND TAP	5-5-05	TRW
575	ASSEMBLE	5-3-05	RTZ
600	PROOF	5-4-05	AC
605	CHECK HEADSPACE	5-4-05	AC
610	DIS-ASSEMBLE GUN	5-6-05	RTZ
612	MAGNAFLUX		
615	ROLLMARK CALIBER	5-9-05	CW
618	ROTO-BLAST	5-9-05	LB
620	APPLY COATINGS	5-16-05	WR
625 A	FINAL ASSEMBLY	6-14-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	6-24-05	AC
D	SAFETY "OFF" FORCE	6-24-05	AC
E	FIRING PIN INDENT	6-24-05	AC
640	TARGET	6-20-05	TRW
655	FINAL INSPECT	6-24-05	AC
660	PACK	7-8-05	RA
		SHIP DATE	
		QAR INSPECTION DATE	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18290INITIAL
FDC CUSTOMER ORDER NO.
DAAA09-92-C-0834W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN *Scope S/N 96 0894*

DATE RECEIVED 06/10/94 DATE OPENED 06/10/94 DATE CODE SERIAL NUMBER C6523317 NEW SERIAL NUMBER MODEL AND GRADE 700 7-62 NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

CUST NO: 098397 C-D-DL

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

7-16-96

FRT

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

COMMENTS

NEW BARREL
Stock
TRIGGER ASSY
FIRING PIN ASSY
MAG BOX
FOLLOWER AND
SPRING
Front & Rear Sight ASSY.

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400152349

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
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		7-17	REP
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7-17	REP
	C) Inspect Ejector Hole for Chamfer		7-17	REP
	D) Oil Firing Pin Ass'y		7-17	REP
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	8	8	7.5	7-16	REP
	G) Safety Off Force	4	4	4	7-16	REP
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent	.023	.0235	.023	7-17	REP
	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					
	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	2.75	2.63	2.69	2.65	2.60
	C) Function					
660	Pack					

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523317
DATE 7/14/96
TESTER SF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.16		2.64	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.38		2.80	
PULL #3	2.57	2.62		2.80	
PULL #4	2.57	2.70		2.80	
PULL #5	2.62	2.71		2.80	
TOTAL	10.05	12.57		13.84	
AVG.	2.01	2.514		2.768	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.70	3.44		
PULL #2	3.72	3.46		
PULL #3	3.76	3.97		
PULL #4	3.90	3.97		
PULL #5	3.90	3.97		
TOTAL	18.98	18.81		
AVG.	3.796	3.762		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	4.23	4.62	
PULL #2	4.01	4.23	4.62	
PULL #3	4.13	4.14	4.19	
PULL #4	4.13	4.14	4.53	
PULL #5	4.23	4.19	4.43	
TOTAL	20.51	20.93	22.39	
AVG.	4.102	4.186	4.478	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523317
7 Jan 1988

CENTROIDAL DISTANCES

0 TO 1	.131973
1 TO 2	.32079
1 TO 3	.191324
1 TO 4	.103247
1 TO 5	.104652

-----FOR

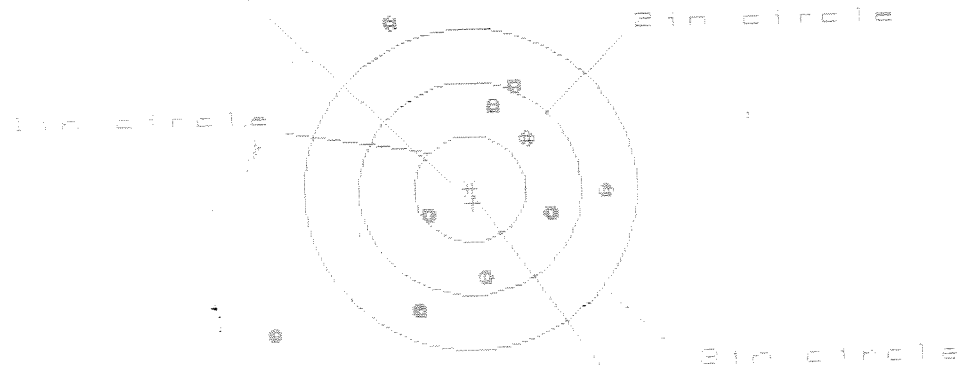
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0664
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0184
THE RESULTING AVERAGE FC1 RADIUS FOR THIS RIFLE IS: .0689022
THE AMP FOR THIS RIFLE IS: 1.125

7 Jan 1988

FILE: \PATTERNING\CENTERFIRE_PATT\CG583317

CENTERFIRE PATTERNS # 1

POA



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 3.008

VE = 2.911

GS = 3.288

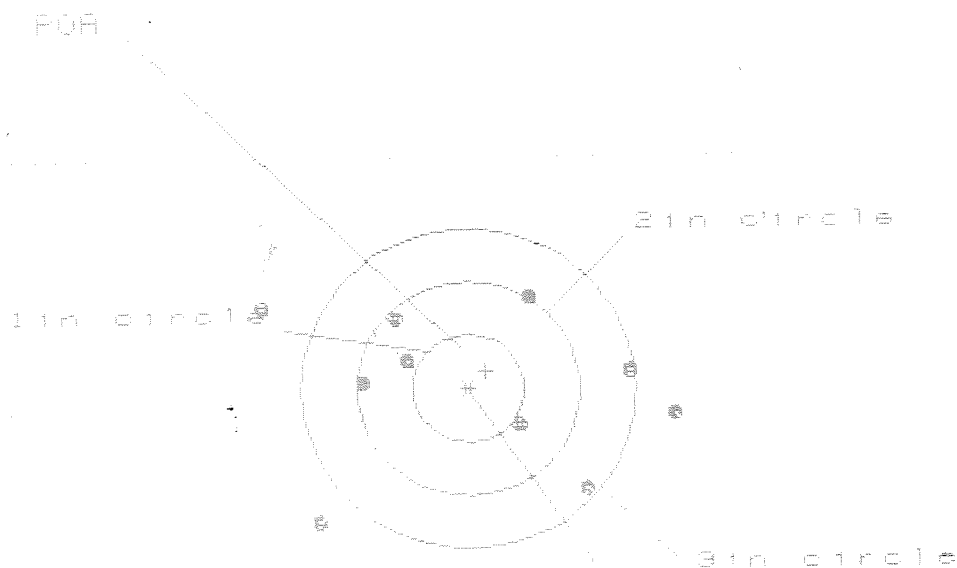
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10		
MAXIMUM X	1.218		1.998
MINIMUM X	-1.798		-1.763
MAXIMUM Y	1.600		1.019
MINIMUM Y	-1.311		-1.056
CENTROID X	-0.016	-0.017	0.296
CENTROID Y	0.131	0.117	0.095
POA TO CENTROID in.	0.132	0.332	0.311
MIN RADIUS	0.430	0.480	0.503
MEAN RADIUS	1.099	0.935	0.820
MAX RADIUS	2.225	1.709	1.303
HORIZONTAL SPREAD	3.008	1.907	1.661
VERTICAL SPREAD	2.911	2.692	2.075
EXTREME SPREAD	3.288	2.703	2.254
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 8		

7 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C8523317

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 6

2 in = 4

3 in = 7

HS= 3.675

VS= 2.072

GS= 3.810

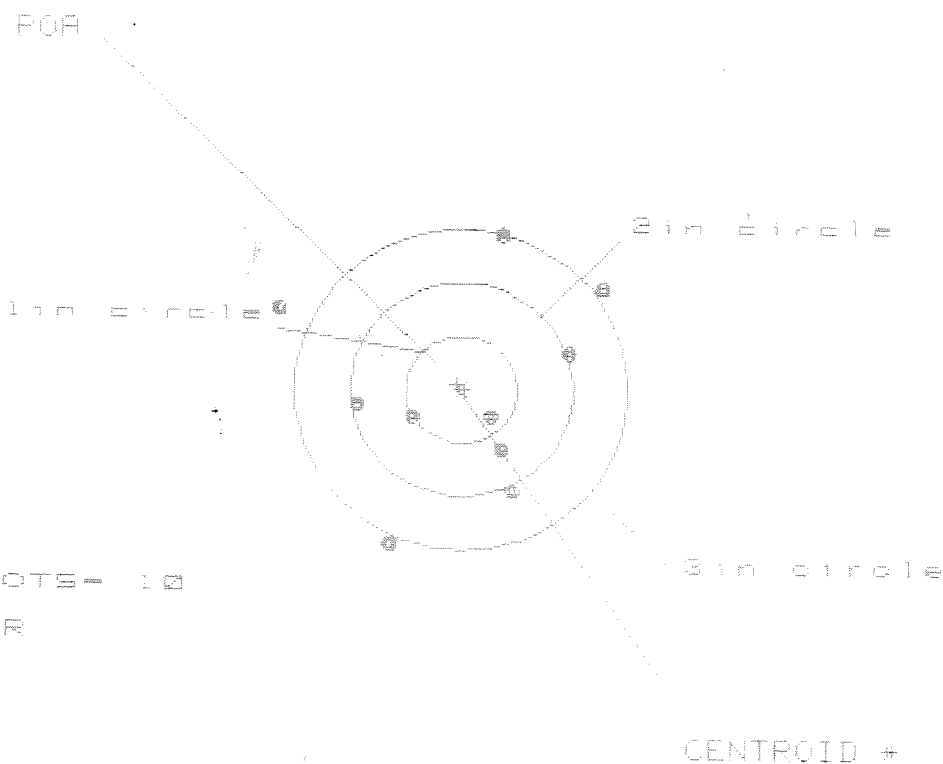
CENTROID +

PATTERN #	2	3	4
SHOTS (BEST OF)	10	5	8
MAXIMUM X	1.835	1.631	1.423
MINIMUM X	-1.840	-1.531	-1.330
MAXIMUM Y	.865	.952	.936
MINIMUM Y	-1.207	-1.120	-1.136
CENTROID X	-.151	.053	-.150
CENTROID Y	-.160	-.247	-.231
POA TO CENTROID in.	.220	.253	.275
MIN RADIUS	.546	.305	.506
MEAN RADIUS	1.247	1.154	1.081
MAX RADIUS	2.001	1.899	1.749
HORIZONTAL SPREAD	3.675	3.164	2.753
VERTICAL SPREAD	2.072	2.072	2.072
EXTREME SPREAD	3.810	3.315	3.059
NUMBER IN ONE INCH CIRCLE =	6	4	7
NUMBER IN TWO INCH CIRCLE =	4	4	7
NUMBER IN THREE INCH CIRCLE =	7	4	7

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08523317

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 2.8558

VS= 2.873

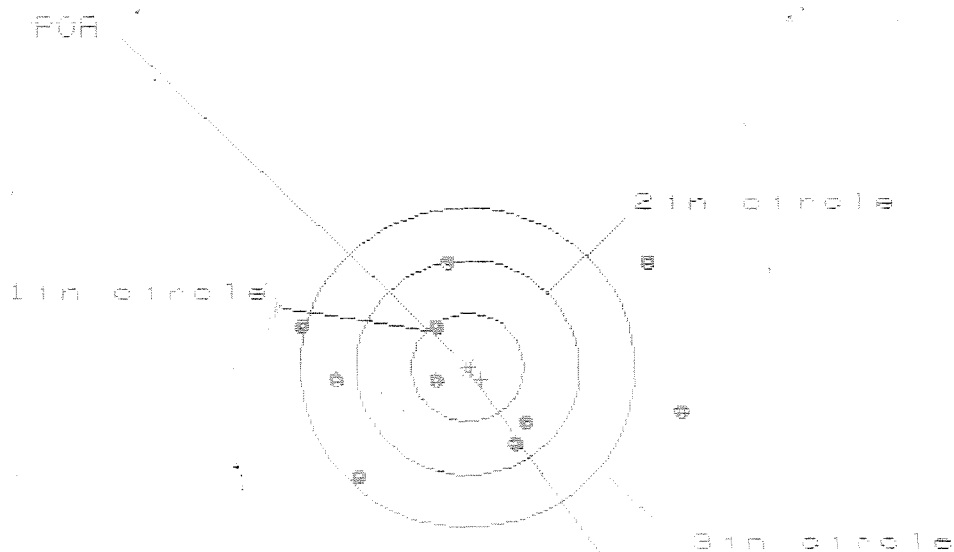
GS= 3.043

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.273	1.096	.910
MINIMUM X	:	-1.596	-1.100	-.963
MAXIMUM Y	:	1.462	1.551	1.675
MINIMUM Y	:	-1.411	-1.322	-1.198
CENTROID X	:	.043	.220	.083
CENTROID Y	:	-.051	-.140	-.264
POA TO CENTROID in.	:	.066	.260	.277
MIN RADIUS	:	.351	.181	.202
MEAN RADIUS	:	1.094	.983	.893
MAX RADIUS	:	1.784	1.568	1.701
HORIZONTAL SPREAD	:	2.869	2.196	1.873
VERTICAL SPREAD	:	2.873	2.873	2.873
EXTREME SPREAD	:	3.043	3.043	3.043
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

7 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/08523317

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 3.443

VS= 1.975

GS= 3.545

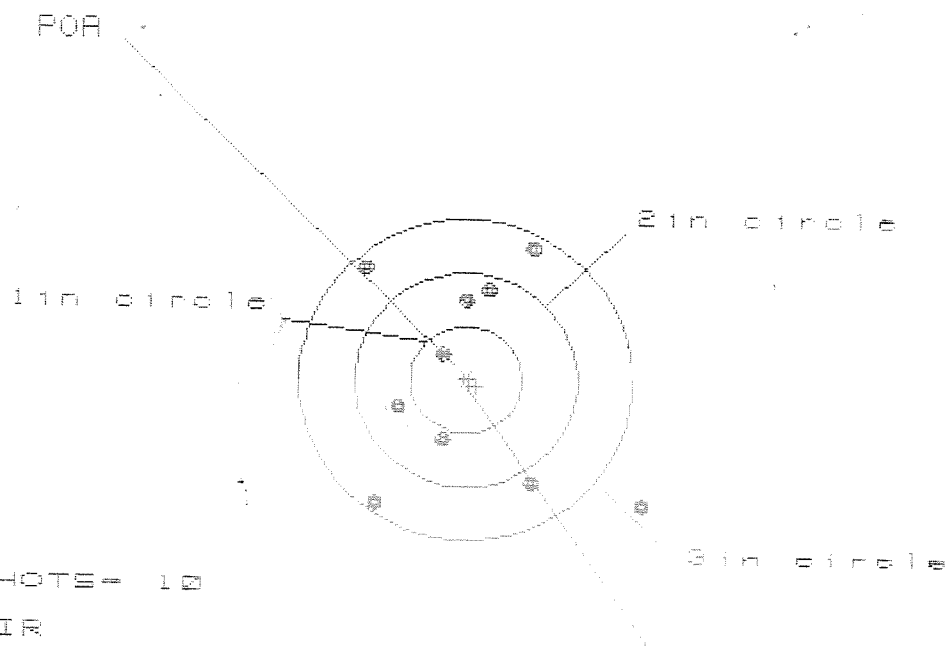
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.923	1.783	.979
MINIMUM X	:	-1.519	-1.306	-1.083
MAXIMUM Y	:	1.004	.955	1.074
MINIMUM Y	:	-.971	-1.020	-.901
CENTROID X	:	-.118	-.332	-.555
CENTROID Y	:	.115	.164	.045
POA TO CENTROID in.	:	.165	.370	.557
MIN RADIUS	:	.343	.197	.121
MEAN RADIUS	:	1.143	1.011	.858
MAX RADIUS	:	1.974	2.022	1.179
HORIZONTAL SPREAD	:	3.443	3.089	2.062
VERTICAL SPREAD	:	1.975	1.975	1.975
EXTREME SPREAD	:	3.545	3.209	2.269
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523317

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 2.491

VS = 2.480

GS = 3.319

CENTROID #

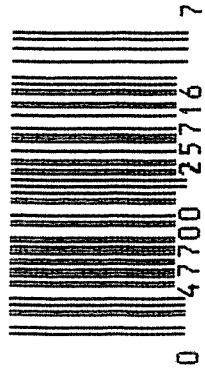
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.569	.757	.672
MINIMUM X	-.922	-.748	-.833
MAXIMUM Y	1.285	1.153	.989
MINIMUM Y	-1.195	-1.311	-1.210
CENTROID X	-.090	-.263	-.180
CENTROID Y	.057	.189	.353
POA TO CENTROID in.	.107	.326	.396
MIN RADIUS	.349	.142	.143
MEAN RADIUS	1.042	.895	.803
MAX RADIUS	1.972	1.477	1.384
HORIZONTAL SPREAD	2.491	1.505	1.505
VERTICAL SPREAD	2.480	2.464	2.199
EXTREME SPREAD	3.319	2.838	2.433
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

Remington® REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
MODEL 700™ H24		SERIAL NO. C6523317	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.			



5716 C6523317

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6523317**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	KJ
600	Proof		10/1/90	KJ
607	Check Headspace		10/1/90	KJ
610	Dis-assemble Gun		10/1/90	KJ
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		10/3/90	SS
617	Drill and Tap Sight Holes		10/4/90	LB
618	Polish Barrel <i>RB</i>		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/30/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/30/90	KS
	C) Inspect Ejector Hole for Chamfer		11/30/90	KS
	D) Oil Firing Pin Ass'y		11/30/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/1/90	JH

op. #	OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	2 3/4	4 3/4	4 3/4	12/3/90	WLB	
	G) Safety Off Force	2	2	2	12/3/90	WLB	
	H) Trigger Pull Test & Retainability				12/1/90	WLB	
	I) Firing Pin Indent	.020	.021	.021	12/3/90	WLB	
	J) Assemble Stock				1/12/90	KS	
	K) Assemble Swivel Studs				12-4-90	KS	
	L) Attach Front and Rear Sight Assemblies				1/12/90	KS	
	M) Iron Sight Alignment				1/12/90	KS	
	N) Detach Front & Rear Sights & place in numbered container				1/12/90	KS	
	O) Attach Scope to Rifle				1/12/90	KS	
	P) Detach & Attach Scope 20 Times				1/12/90	KS	
640	Gallery Target & Test				12-3-90	DH	
	A) Time				12-3-90	DH	
	B) Malfunctions				12-3-90	DH	
	C) Pierced Primers				12-3-90	DH	
	D) Optical Clarity of Scope				12-3-90	DH	
645	Inspect for Live Ammo				12-3-90	DH	
655	Final Inspection						
	A) Headspace				12-4-90	WLB	
	B) Trigger Pull	218	220	221 238	217	12-4-90	WLB
	C) Function					12-4-90	WLB
660	Pack					12-4-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523317

DATE 12-1-90

TESTER JG

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.27	2.26	218	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.17	2.23	2.11	220	
PULL #3	2.25	2.20	2.15	227	
PULL #4	2.26	2.16	2.16	238	
PULL #5	2.23	2.29	2.21	217	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.40		
PULL #2	3.23	3.40		
PULL #3	3.33	3.46		
PULL #4	3.35	3.36		
PULL #5	3.37	3.47		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.45		4.35
PULL #2	4.41	4.45		4.45
PULL #3	4.26	4.40		4.45
PULL #4	4.11	4.43		4.43
PULL #5	4.37	4.39		4.22
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523317
3 Dec 1990

CENTROIDAL DISTANCES

0 TO 1 .0915478
1 TO 2 .146414
1 TO 3 .197408
1 TO 4 .304573
1 TO 5 .224891

24 <----POA
5

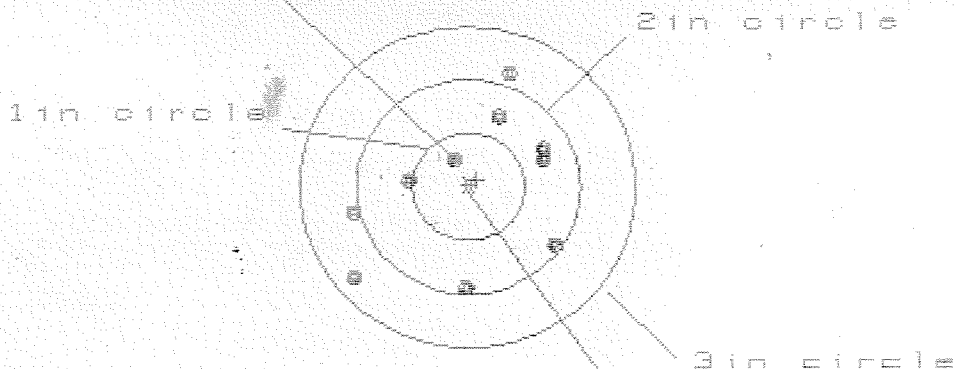
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0334
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.002
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0334598
THE AMR FOR THIS RIFLE IS: .9384

3 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523317

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 1.834

VS= 2.049

GS= 2.368

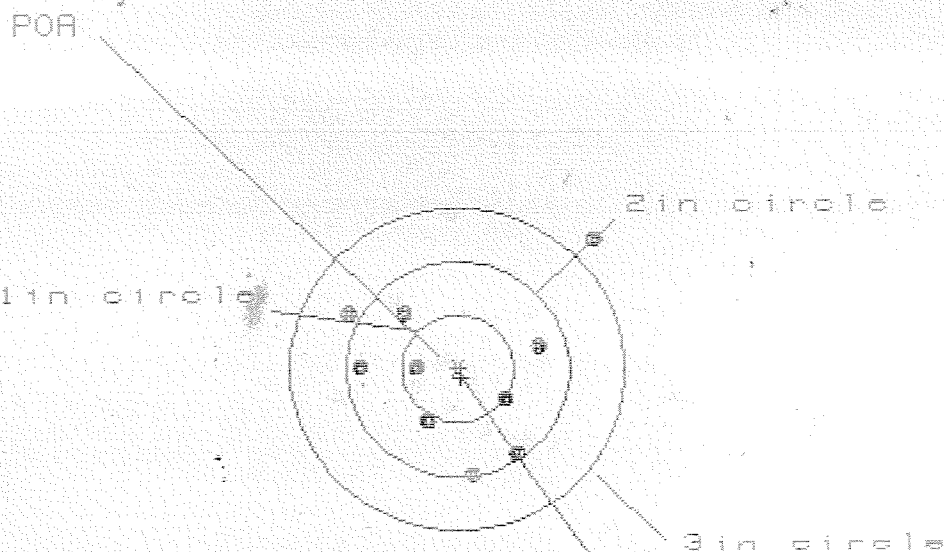
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.819	.710	.741
MINIMUM X	-1.015	-1.124	-1.093
MAXIMUM Y	1.088	.992	.722
MINIMUM Y	-.961	-1.057	-.933
CENTROID X	-.070	.039	.008
CENTROID Y	-.059	.037	-.087
POA TO CENTROID in.	.092	.053	.088
MIN RADIUS	.328	.338	.397
MEAN RADIUS	.845	.773	.751
MAX RADIUS	1.307	1.173	1.113
HORIZONTAL SPREAD	1.834	1.834	1.834
VERTICAL SPREAD	2.049	2.049	1.655
EXTREME SPREAD	2.368	2.087	1.866
NUMBER IN ONE INCH CIRCLE =	1	1	1
NUMBER IN TWO INCH CIRCLE =	6	6	6
NUMBER IN THREE INCH CIRCLE =	10	10	10

3 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523317

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.250

VS= 2.235

GS= 2.483

CENTROID #

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.230

.881

.771

MINIMUM X

-1.020

-.883

-.898

MAXIMUM Y

1.237

.639

.719

MINIMUM Y

-.998

-.861

-.781

CENTROID X

-.024

-.161

-.051

CENTROID Y

.080

-.057

-.137

POA TO CENTROID in.

.084

.171

.146

MIN RADIUS

.409

.302

.354

MEAN RADIUS

.861

.732

.678

MAX RADIUS

1.745

1.089

.942

HORIZONTAL SPREAD

2.250

1.764

1.669

VERTICAL SPREAD

2.235

1.500

1.500

EXTREME SPREAD

2.483

1.964

1.678

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

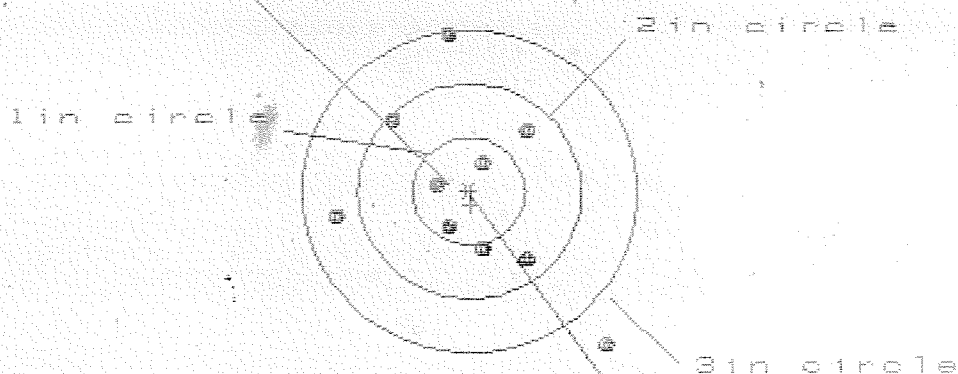
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3 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523317

CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.375

VS= 2.857

GS= 3.170

CENTROID *

PATTERN #

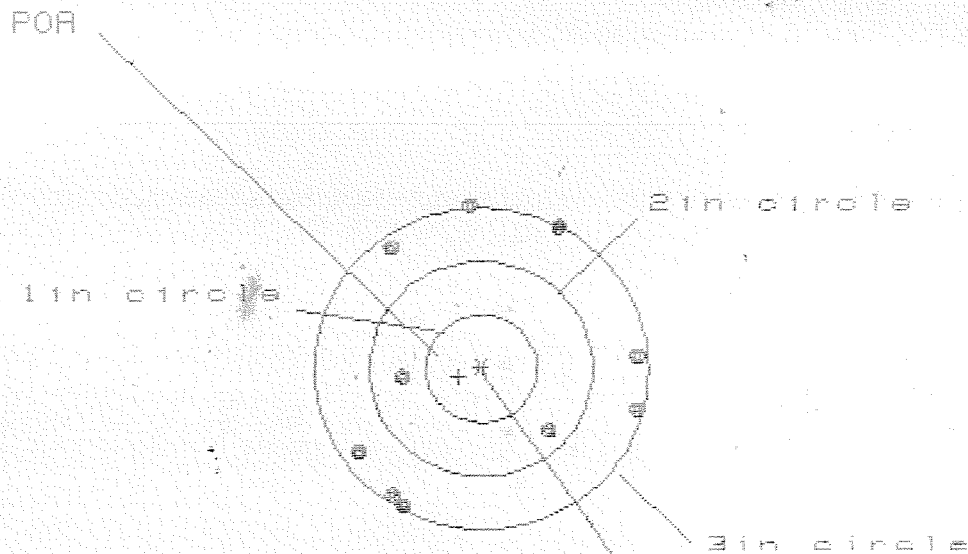
3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.187	.693	.686
MINIMUM X	-1.188	-1.056	-1.063
MAXIMUM Y	1.451	1.295	.690
MINIMUM Y	-1.406	-.770	-.608
CENTROID X	-.013	-.145	-.138
CENTROID Y	.130	.286	.124
POA TO CENTROID in.	.130	.320	.186
MIN RADIUS	.271	.142	.161
MEAN RADIUS	.862	.743	.655
MAX RADIUS	1.840	1.296	1.089
HORIZONTAL SPREAD	2.375	1.749	1.749
VERTICAL SPREAD	2.857	2.065	1.298
EXTREME SPREAD	3.170	2.190	1.935
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

3 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06523317

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 0

2in = 2

3in = 8

HS= 2.479

VS= 2.840

GS= 2.943

CENTROID #

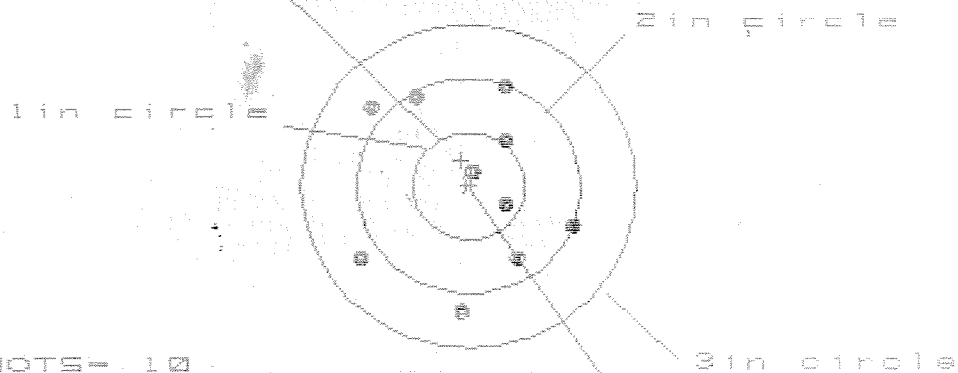
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.411	1.400	1.484
MINIMUM X	:	-1.067	-1.079	-.995
MAXIMUM Y	:	1.564	1.513	1.536
MINIMUM Y	:	-1.276	-1.103	-.913
CENTROID X	:	.204	.215	.131
CENTROID Y	:	.074	-.099	-.289
POR TO CENTROID in.	:	.217	.237	.317
MIN RADIUS	:	.687	.674	.670
MEAN RADIUS	:	1.299	1.249	1.165
MAX RADIUS	:	1.567	1.655	1.684
HORIZONTAL SPREAD	:	2.479	2.479	2.479
VERTICAL SPREAD	:	2.840	2.616	2.449
EXTREME SPREAD	:	2.943	2.943	2.693
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	2		
NUMBER IN THREE INCH CIRCLE	=	8		

3 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523317

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.858

VS= 2.083

GS= 2.148

CENTROID #

PATTERN #

15

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.881	.772	.650
MINIMUM X	-.977	-.976	-.672
MAXIMUM Y	.967	.888	.968
MINIMUM Y	-1.116	-1.195	-1.115
CENTROID X	.070	.179	.300
CENTROID Y	-.235	-.156	-.236
POA TO CENTROID in.	.245	.237	.382
MIN RADIUS	.111	.039	.162
MEAN RADIUS	.825	.753	.692
MAX RADIUS	1.208	1.212	1.162
HORIZONTAL SPREAD	1.858	1.748	1.323
VERTICAL SPREAD	2.083	2.083	2.083
EXTREME SPREAD	2.148	2.133	2.133
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	