

C6523470

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



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: **RE00102787** Serial: C6523470 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:46:11 AM

Verify Repair

Address Information

Customer: Received From Return To: Received From

Name: **PR W7LZ CAMP SHELBY DET 57** **PR W7LZ CAMP SHELBY DET 57**

Address 1: **OEF TRAINING BDE ROTATION** **OEF TRAINING BDE ROTATION**

Address 2: **BLDG 6520 WAREHOUSE AVE** PO Box: **BLDG 6520 WAREHOUSE AVE** PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **601-558-4593**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc.	Qty
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1
C000	SCOPE CASE	1

Repair Search Refresh Close

hagletj 10/26/2005 9:50 AM CAPS NUM IIS SCPL

start 2 2 3 ARMS 5

Serial Number: **C6523470**

Model: **M24 SWS**



RE00102787

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523470.___0
FILE DATE AND TIME: 11/28/2005 23:07

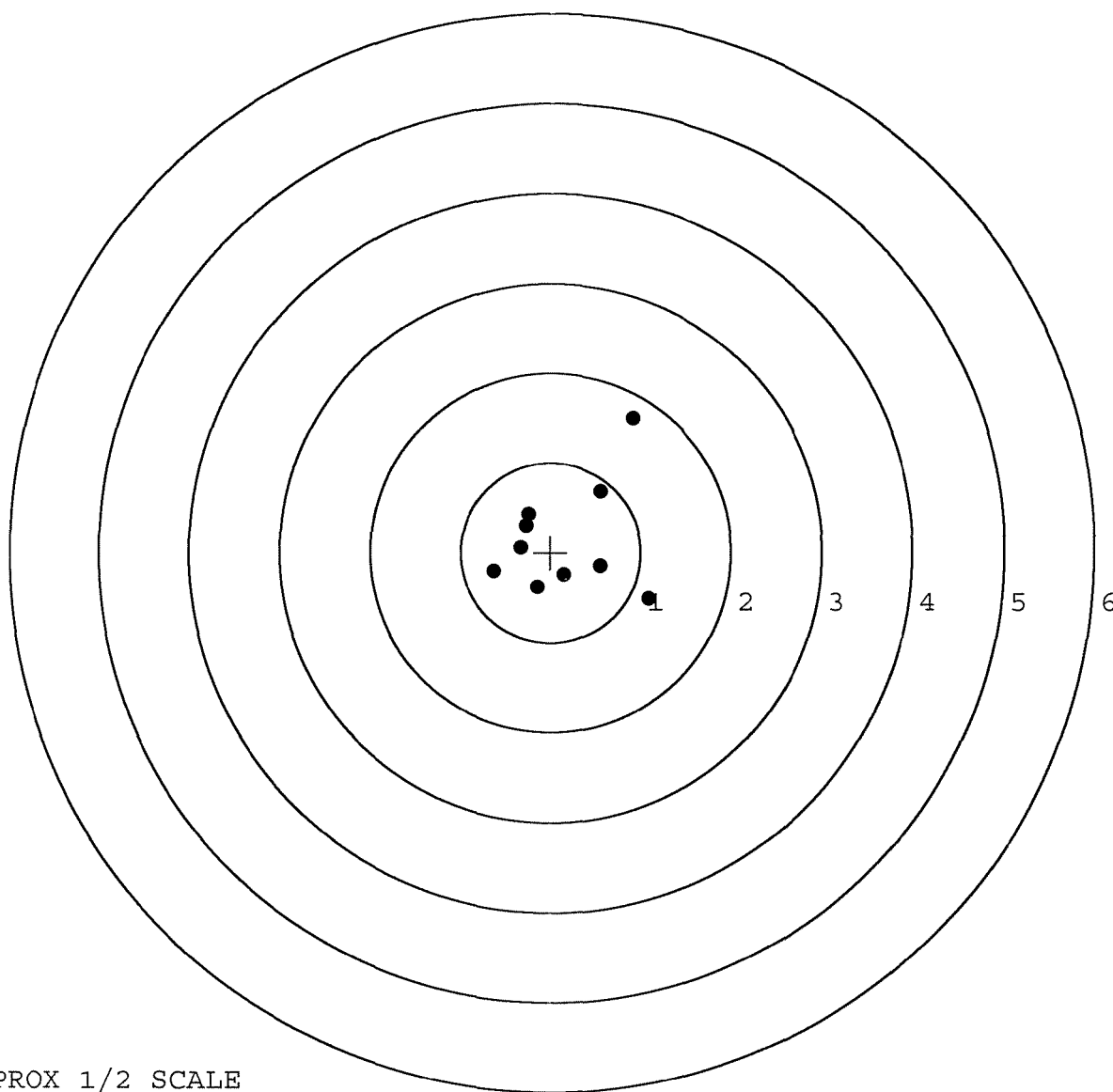
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.038
The Average Y Centroid of the Five Target Set:	-0.003
The Average Point of Impact of the Five Target Set:	0.038
The Average Mean Radius of the Five Target Set:	0.559
The Distance from POA to Centroid Target #1:	0.217
The Distance from Centroid Target #2 to Centroid Target #1:	0.394
The Distance from Centroid Target #3 to Centroid Target #1:	0.537
The Distance from Centroid Target #4 to Centroid Target #1:	0.025
The Distance from Centroid Target #5 to Centroid Target #1:	0.018

SERIAL NUMBER: C6523470. __0
 TARGET NUMBER: 1
 FILE DATE: 11/28/2005
 FILE TIME: 23:07

POINT#	X	Y
1:	-0.247	0.421
2:	-0.274	0.295
3:	-0.328	0.055
4:	-0.633	-0.208
5:	-0.152	-0.390
6:	0.151	-0.251
7:	0.555	-0.151
8:	1.092	-0.520
9:	0.556	0.686
10:	0.910	1.497

X CENTROID: 0.163
 Y CENTROID: 0.143
 POA TO CENTROID: 0.217
 HORZ SPREAD: 1.725
 VERT SPREAD: 2.017
 GROUP SPREAD: 2.300
 MIN RADIUS: 0.395
 MAX RADIUS: 1.546
 MEAN RADIUS: 0.719
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9

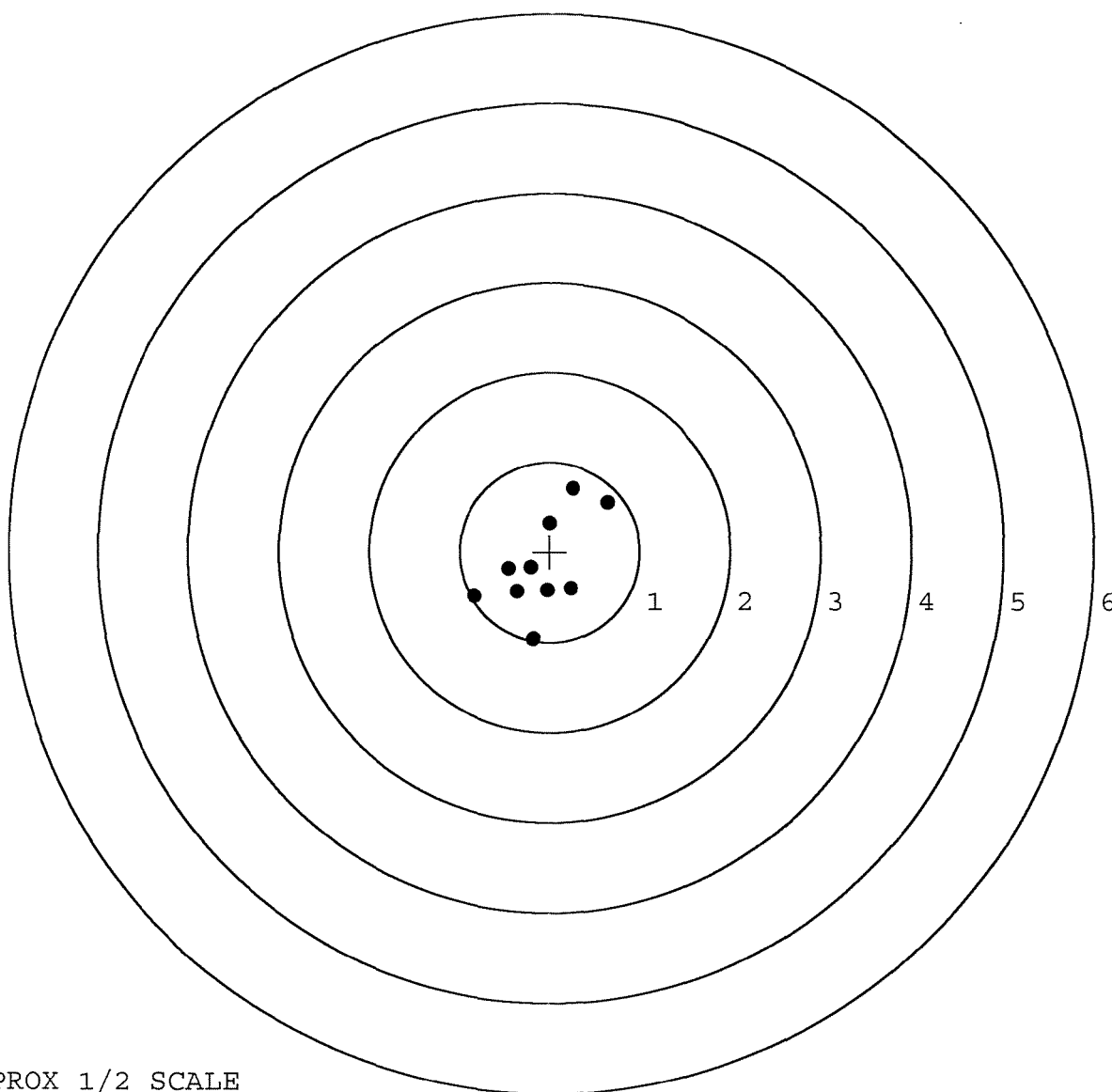


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523470. __0
TARGET NUMBER: 2
FILE DATE: 11/28/2005
FILE TIME: 23:07

POINT#	X	Y
1:	-0.012	0.316
2:	0.259	0.701
3:	0.643	0.549
4:	-0.835	-0.496
5:	-0.181	-0.972
6:	-0.454	-0.192
7:	-0.360	-0.441
8:	-0.031	-0.430
9:	0.238	-0.409
10:	-0.213	-0.178

X CENTROID: -0.095
Y CENTROID: -0.155
POA TO CENTROID: 0.182
HORZ SPREAD: 1.478
VERT SPREAD: 1.673
GROUP SPREAD: 1.810
MIN RADIUS: 0.121
MAX RADIUS: 1.020
MEAN RADIUS: 0.563
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

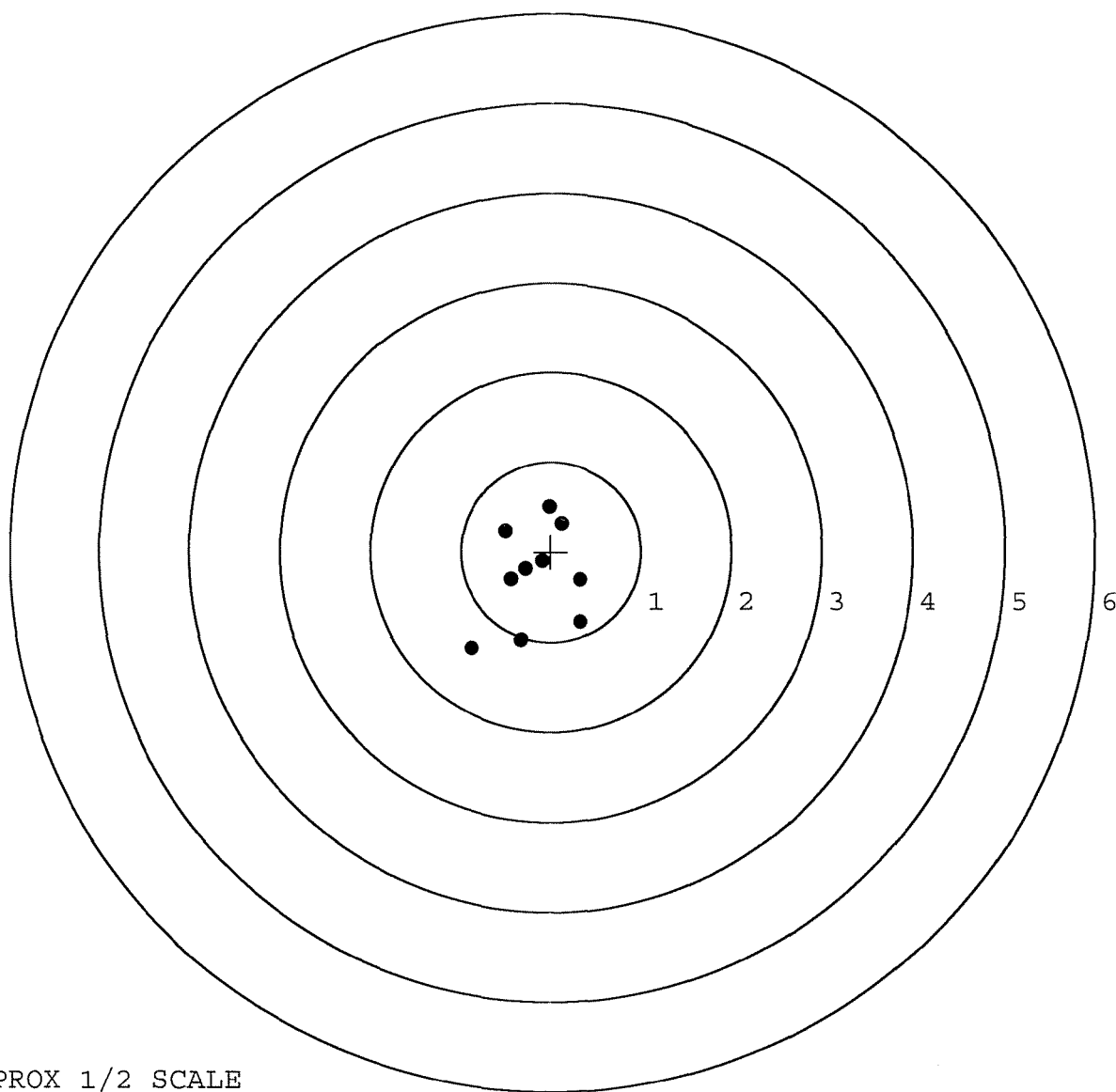


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523470. __0
TARGET NUMBER: 3
FILE DATE: 11/28/2005
FILE TIME: 23:07

	POINT#	X	Y
	1:	-0.098	-0.106
	2:	-0.282	-0.188
	3:	-0.443	-0.303
	4:	0.330	-0.782
	5:	0.330	-0.312
	6:	0.117	0.311
	7:	-0.026	0.494
	8:	-0.508	0.232
	9:	-0.874	-1.079
	10:	-0.330	-0.983

X CENTROID: -0.178
Y CENTROID: -0.272
POA TO CENTROID: 0.325
HORZ SPREAD: 1.204
VERT SPREAD: 1.573
GROUP SPREAD: 1.787
MIN RADIUS: 0.133
MAX RADIUS: 1.066
MEAN RADIUS: 0.564
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

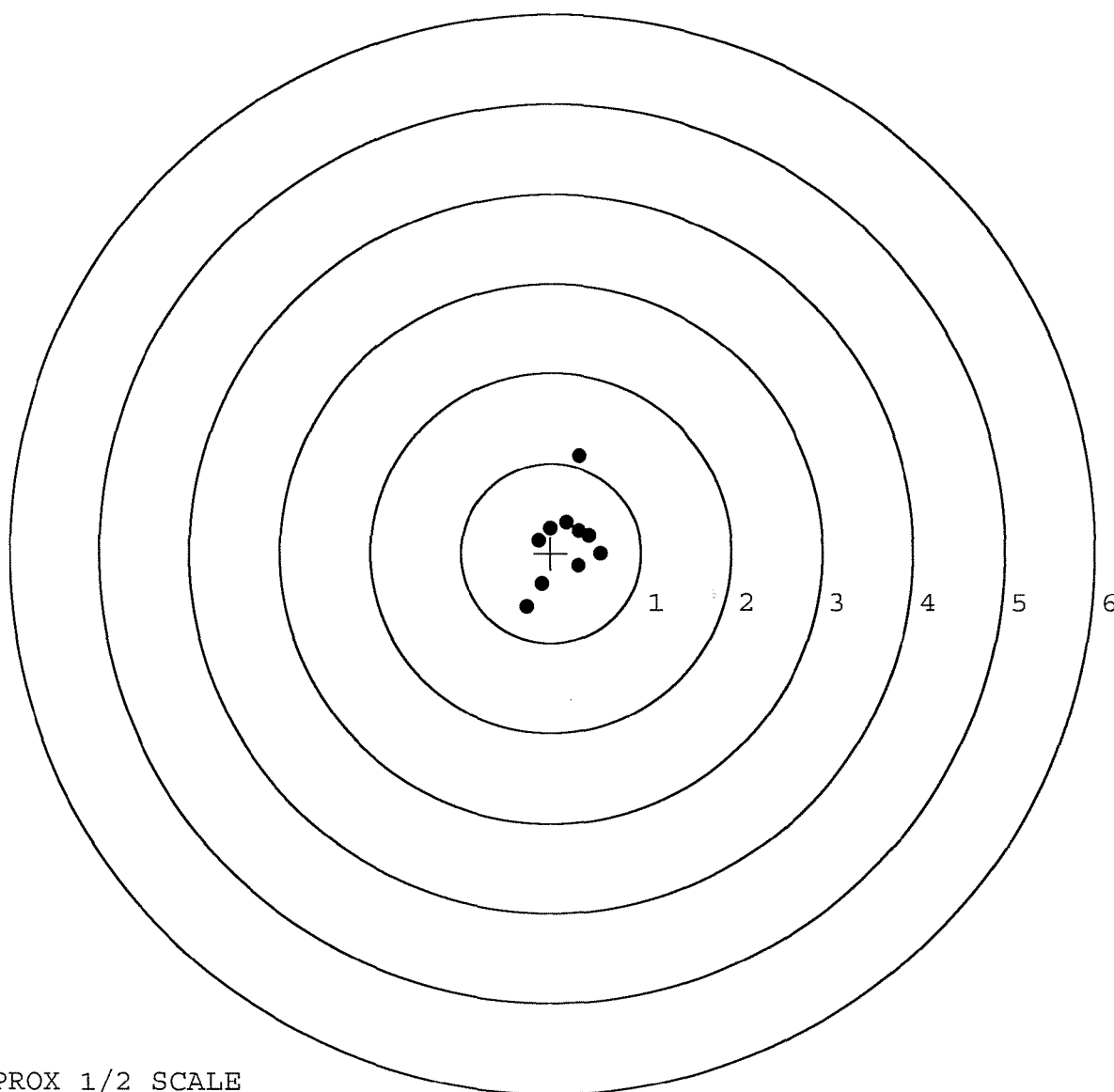


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523470. __0
TARGET NUMBER: 4
FILE DATE: 11/28/2005
FILE TIME: 23:07

POINT#	X	Y
1:	-0.136	0.140
2:	-0.019	0.276
3:	0.171	0.340
4:	0.314	1.080
5:	-0.105	-0.344
6:	-0.271	-0.605
7:	0.312	0.252
8:	0.313	-0.141
9:	0.557	-0.001
10:	0.420	0.199

X CENTROID: 0.156
Y CENTROID: 0.120
POA TO CENTROID: 0.196
HORZ SPREAD: 0.828
VERT SPREAD: 1.685
GROUP SPREAD: 1.784
MIN RADIUS: 0.205
MAX RADIUS: 0.973
MEAN RADIUS: 0.430
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

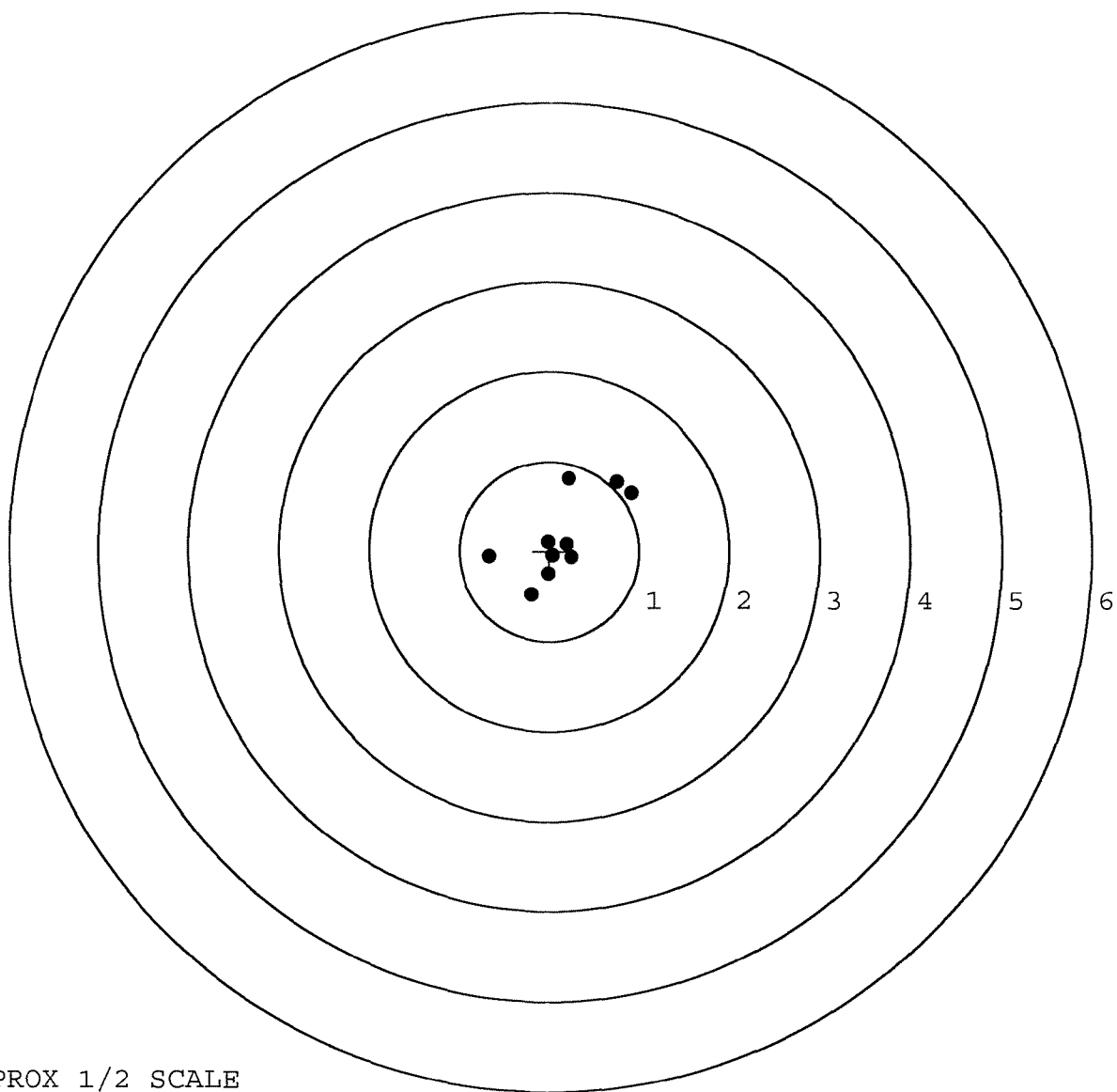


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523470. __0
TARGET NUMBER: 5
FILE DATE: 11/28/2005
FILE TIME: 23:07

X CENTROID: 0.145
Y CENTROID: 0.149
POA TO CENTROID: 0.208
HORZ SPREAD: 1.575
VERT SPREAD: 1.299
GROUP SPREAD: 1.729
MIN RADIUS: 0.087
MAX RADIUS: 0.913
MEAN RADIUS: 0.517
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.667	-0.064
2:	0.219	0.810
3:	0.747	0.775
4:	0.908	0.650
5:	0.196	0.078
6:	-0.017	0.101
7:	0.249	-0.067
8:	-0.020	-0.258
9:	-0.196	-0.489
10:	0.034	-0.049



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)

SERIAL NO. _____

DATE 11-03-05

TESTER S.F.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.36	2.58		2.35	
PULL #2	2.40	2.65		2.39	
PULL #3	2.37	2.60		2.51	
PULL #4	2.54	2.58		2.45	
PULL #5	2.56	2.61		2.53	
TOTAL	12.23	13.02		12.23	
AVERAGE	2.45	2.60		2.45	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	2.95	3.20		
PULL #2	3.08	3.09		
PULL #3	3.10	3.13		
PULL #4	3.14	3.06		
PULL #5	3.19	3.07		
TOTAL	15.46	15.53		
AVERAGE	3.09	3.11		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.22	3.86		3.83
PULL #2	4.23	3.88		3.86
PULL #3	4.25	3.93		4.06
PULL #4	4.26	3.96		4.00
PULL #5	4.32	3.98		4.02
TOTAL	21.28	19.61		19.77
AVERAGE	4.26	3.92		3.95

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

R & E NUMBER	102787		Camp Shelby	
SERIAL NUMBER	C 6523470			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-4-05	AC
505	RE-BARREL		11-8-05	AC
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA-FLUX	11-15-05	CD
605	CHECK HEADSPACE	INSPECTED	11-15-05	CD
610	DIS-ASSEMBLE GUN	NOV 18 2005	11-15-05	CD
612	MAGNAFLUX	OPERATOR <u>Wendy</u>	11-18-05	Wendy
510	DRILL AND TAP			
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11-22-05	RB
625	FINAL ASSEMBLY		11-23-05	RG
640	FUNCTION TEST AND	PASS FAIL	11-28-05	MDA
650	TARGET	PASS FAIL	11-28-05	MDA
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-29-05	AC
	A) HEADSPACE	PASS FAIL	11-29-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.72 2.70 2.67 2.50 2.50	AC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	5 lbs 5 lbs 5 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	4 lbs 4 lbs 4 lbs	AC
	I) FIRING PIN INDENT	.020	.023 .023 .023	AC
690	PACK		12-1-05	RA

CAN 752

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523470

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action	New Barrel 8/22/90	8/23/90	KCR
	Magnaflux Bolt		8/22/90	KCR
615	Rollmark Caliber		8/22/90	ES
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-20-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/8/90	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			9/8/90	WB
	G) Safety Off Force	2	2	2			9/8/90	WB
	H) Trigger Pull Test & Retainability						9/8/90	WB
	I) Firing Pin Indent	10775	.023	.023			9/8/90	WB
	J) Assemble Stock						9/9/90	RW
	K) Assemble Swivel Studs						9/11/90	JS
	L) Attach Front and Rear Sight Assemblies						9/9/90	RW
	M) Iron Sight Alignment						9/9/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/9/90	RW
	O) Attach Scope to Rifle						9/9/90	JS
	P) Detach & Attach Scope 20 Times						9/9/90	JS
640	Gallery Target & Test						9/9/90	JS
	A) Time						9/9/90	JS
	B) Malfunctions						9/9/90	JS
	C) Pierced Primers						9/9/90	JS
	D) Optical Clarity of Scope						9/9/90	JS
645	Inspect for Live Ammo						9/9/90	JS
655	Final Inspection							
	A) Headspace						9/11/90	JS
	B) Trigger Pull	2.60	2.61	2.61	2.60	2.62	9/10/90	WB
	C) Function						9/11/90	JS
660	Pack						9/19/90	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6523470

DATE 9/8/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.39	2.44	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.36	2.40	2.61	
PULL #3	2.35	2.38	2.39	2.61	
PULL #4	2.45	2.39	2.37	2.60	
PULL #5	2.43	2.38	2.39	2.62	
TOTAL	12.15	11.90	11.99	13.04	
AVG.	2.43	2.38	2.40	2.61	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.11		
PULL #2	3.19	3.18		
PULL #3	3.22	3.23		
PULL #4	3.19	3.15		
PULL #5	3.24	3.18		
TOTAL	16.08	15.85		
AVG.	3.21	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.12		4.21
PULL #2	4.17	4.09		4.17
PULL #3	4.17	4.10		4.19
PULL #4	4.16	4.14		4.00
PULL #5	4.14	4.05		4.09
TOTAL	20.79	20.50		20.66
AVG.	4.16	4.10		4.13

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523470
9 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.321044
1 TO	2	.34093
1 TO	3	.390448
1 TO	4	.531211
1 TO	5	.48668

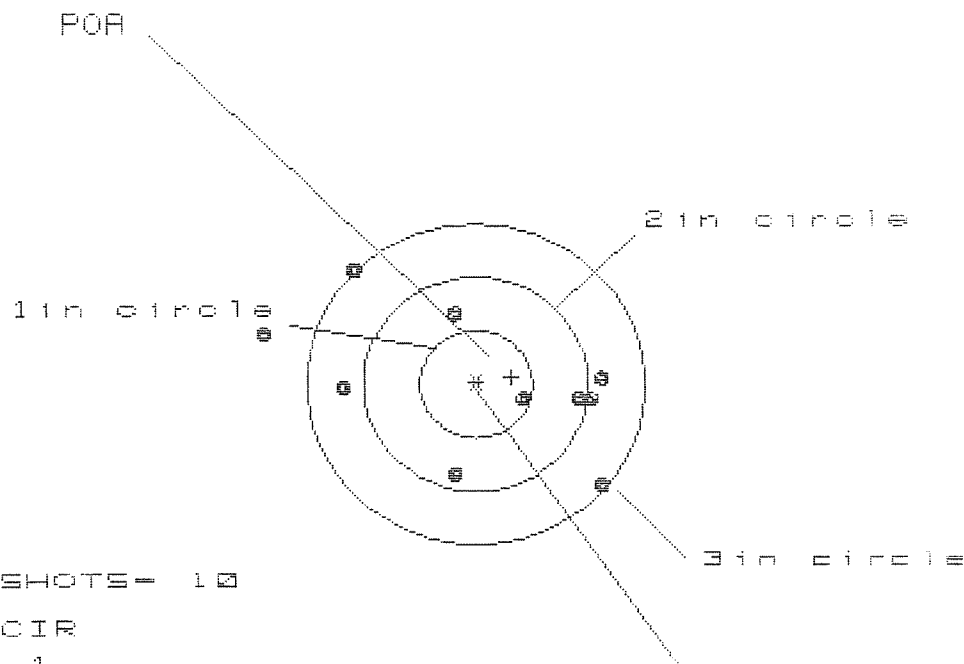
100 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0224
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0904
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0931339
THE AMR FOR THIS RIFLE IS: 1.174

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523470

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.9889

VS= 1.996

GS= 3.311

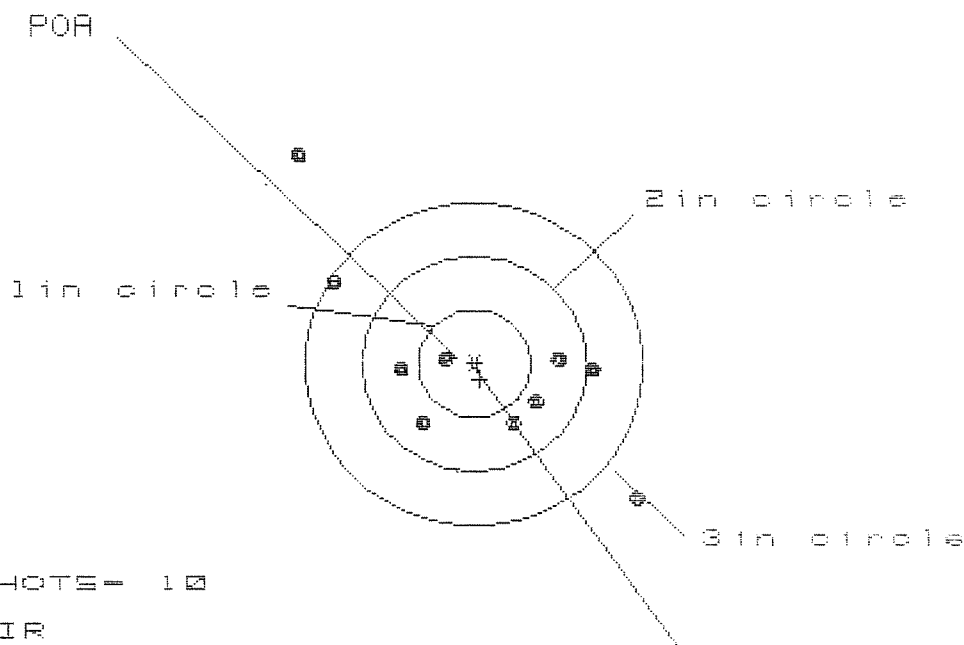
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.105	.896	.736
MINIMUM X	-1.884	-1.384	-1.544
MAXIMUM Y	1.031	1.082	.805
MINIMUM Y	-.965	-.914	-.779
CENTROID X	-.315	-.106	.054
CENTROID Y	-.062	-.113	-.248
POA TO CENTROID in.	.321	.155	.254
MIN RADIUS	.399	.189	.030
MEAN RADIUS	1.102	.957	.810
MAX RADIUS	1.939	1.672	1.553
HORIZONTAL SPREAD	2.989	2.280	2.280
VERTICAL SPREAD	1.996	1.996	1.584
EXTREME SPREAD	3.311	2.949	2.469
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523470

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.080

VS= 3.175

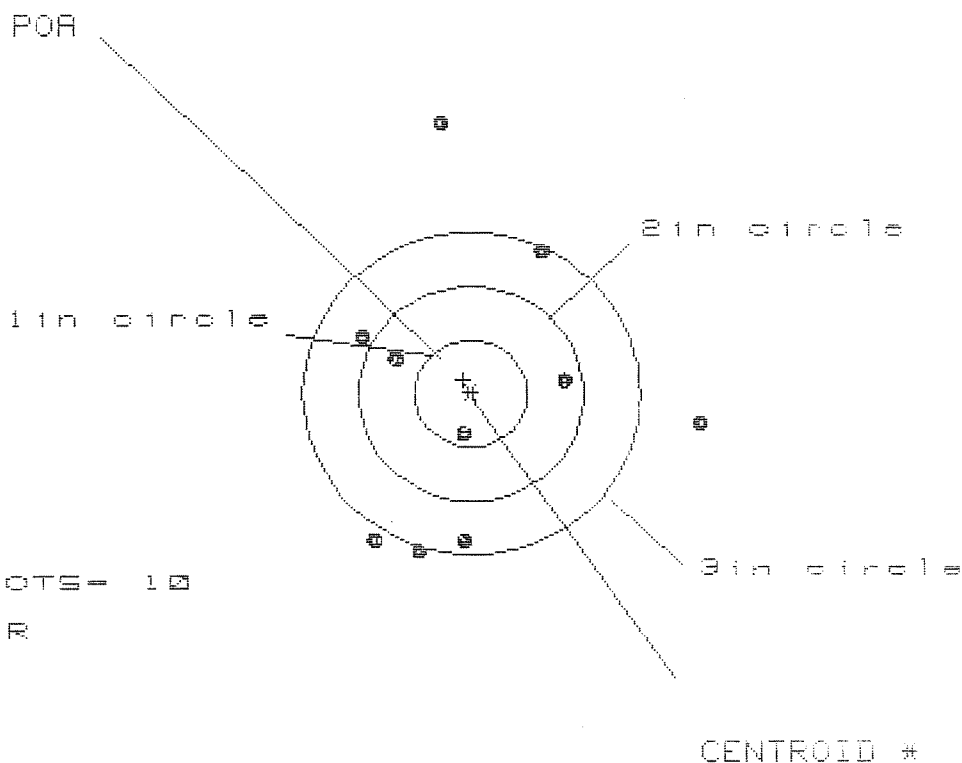
GS= 4.423

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.490	1.313	1.016
MINIMUM X	:	-1.590	-1.436	-1.271
MAXIMUM Y	:	1.938	.983	.855
MINIMUM Y	:	-1.237	-1.022	-.505
CENTROID X	:	-.048	.129	-.035
CENTROID Y	:	.150	-.065	.063
POA TO CENTROID in.	:	.158	.144	.072
MIN RADIUS	:	.281	.398	.332
MEAN RADIUS	:	1.066	.866	.767
MAX RADIUS	:	2.506	1.740	1.532
HORIZONTAL SPREAD	:	3.080	2.749	2.287
VERTICAL SPREAD	:	3.175	2.005	1.360
EXTREME SPREAD	:	4.423	3.403	2.439
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523470

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS = 3.011

VS = 4.062

GS = 4.065

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.001	1.968	1.002
MINIMUM X	:	-1.010	-1.043	-.797
MAXIMUM Y	:	2.541	1.599	1.604
MINIMUM Y	:	-1.521	-1.238	-1.233
CENTROID X	:	.070	.103	-.143
CENTROID Y	:	-.127	-.410	-.415
POR TO CENTROID in.	:	.145	.422	.439
MIN RADIUS	:	.350	.113	.162
MEAN RADIUS	:	1.371	1.199	1.079
MAX RADIUS	:	2.558	1.968	1.818
HORIZONTAL SPREAD	:	3.011	3.011	1.799
VERTICAL SPREAD	:	4.062	2.837	2.837
EXTREME SPREAD	:	4.065	3.115	3.063
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523470

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 2

3 in = 7

HS= 2.9800

VS= 2.905

GS= 3.277

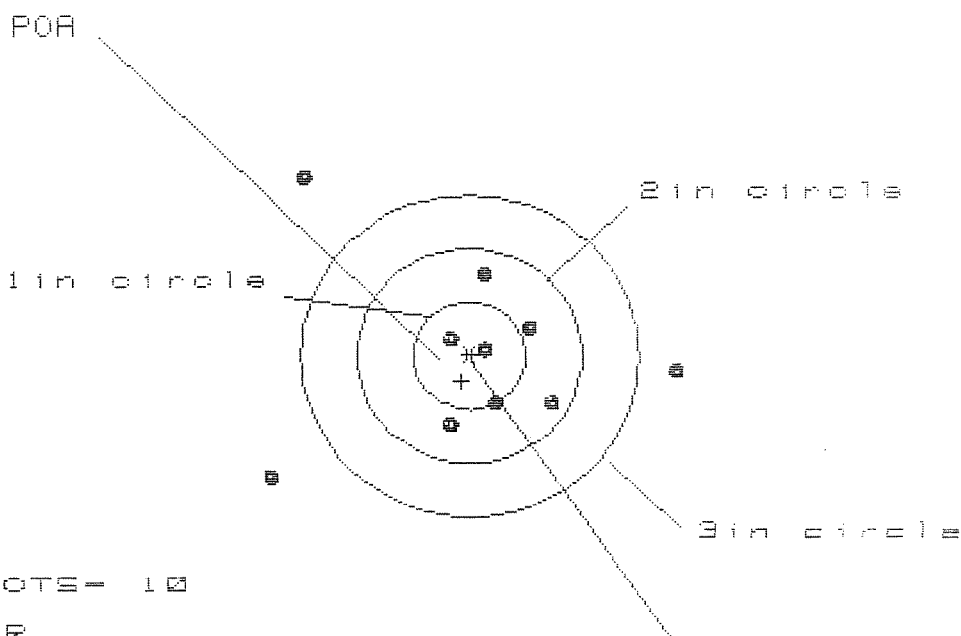
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.473	1.305	1.367
MINIMUM X	:	-1.507	-1.675	-1.613
MAXIMUM Y	:	1.488	1.380	1.268
MINIMUM Y	:	-1.417	-1.525	-1.353
CENTROID X	:	.112	.280	.218
CENTROID Y	:	.254	.362	.190
POA TO CENTROID in.	:	.278	.458	.289
MIN RADIUS	:	.663	.727	.568
MEAN RADIUS	:	1.335	1.268	1.233
MAX RADIUS	:	1.791	1.677	1.615
HORIZONTAL SPREAD	:	2.980	2.980	2.980
VERTICAL SPREAD	:	2.905	2.905	2.621
EXTREME SPREAD	:	3.277	2.990	2.990
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

9 Sep 1938

FILE:/PATTERNING/CENTERFIRE_PATT/08523470

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 7

HS = 3.594

VS = 2.888

GS = 3.755

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.793	1.630	1.384
MINIMUM X	:	-1.801	-1.964	-.584
MAXIMUM Y	:	1.702	.949	.824
MINIMUM Y	:	-1.185	-.996	-.603
CENTROID X	:	.069	.232	.478
CENTROID Y	:	.237	.048	.173
POA TO CENTROID in.	:	.247	.237	.508
MIN RADIUS	:	.093	.219	.327
MEAN RADIUS	:	.996	.837	.659
MAX RADIUS	:	2.246	2.203	1.388
HORIZONTAL SPREAD	:	3.594	3.594	1.968
VERTICAL SPREAD	:	2.888	1.945	1.427
EXTREME SPREAD	:	3.755	3.736	1.994
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	

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

Remington®

DUPONT
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.
C6523470

ORDER NO.
5716

LPC

