

C6522137

MODEL 700TM M24

Model **SMS**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: **RE00102776** Serial: C6522137 Model M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 7:47:01 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
A006	Sling Strap	1
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C000	TORQUE WRENCH	1
C001	SPOTTING SCOPE	1

PHS Scope

Repair Search Refresh Close

negletj 10/26/2005 9:34 AM CAPS NUM INS SCPL

start 2 2 3 4 5 6 7 8 9 10 11 12

Serial Number: **C6522137**

Model: **M24 SWS**



RE00102776

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 11-02-05

TESTER S.F.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.61	2.53		2.62	
PULL #2	2.59	2.76		2.66	
PULL #3	2.66	2.47		2.40	
PULL #4	2.67	2.40		2.54	
PULL #5	2.68	2.47		2.56	
TOTAL	13.21	12.63		12.78	
AVERAGE	2.64	2.53		2.56	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	2.94	3.27		
PULL #2	3.01	3.04		
PULL #3	2.97	3.36		
PULL #4	3.02	3.22		
PULL #5	3.04	3.17		
TOTAL	14.98	16.06		
AVERAGE	3.00	3.21		

	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	4.27	3.89		4.01
PULL #2	4.15	3.85		4.07
PULL #3	3.91	4.43		3.79
PULL #4	4.01	3.85		4.07
PULL #5	3.96	4.19		3.98
TOTAL	20.30	20.21		19.92
AVERAGE	4.06	4.04		3.98

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522137.___0

FILE DATE AND TIME: 11/21/2005 22:27

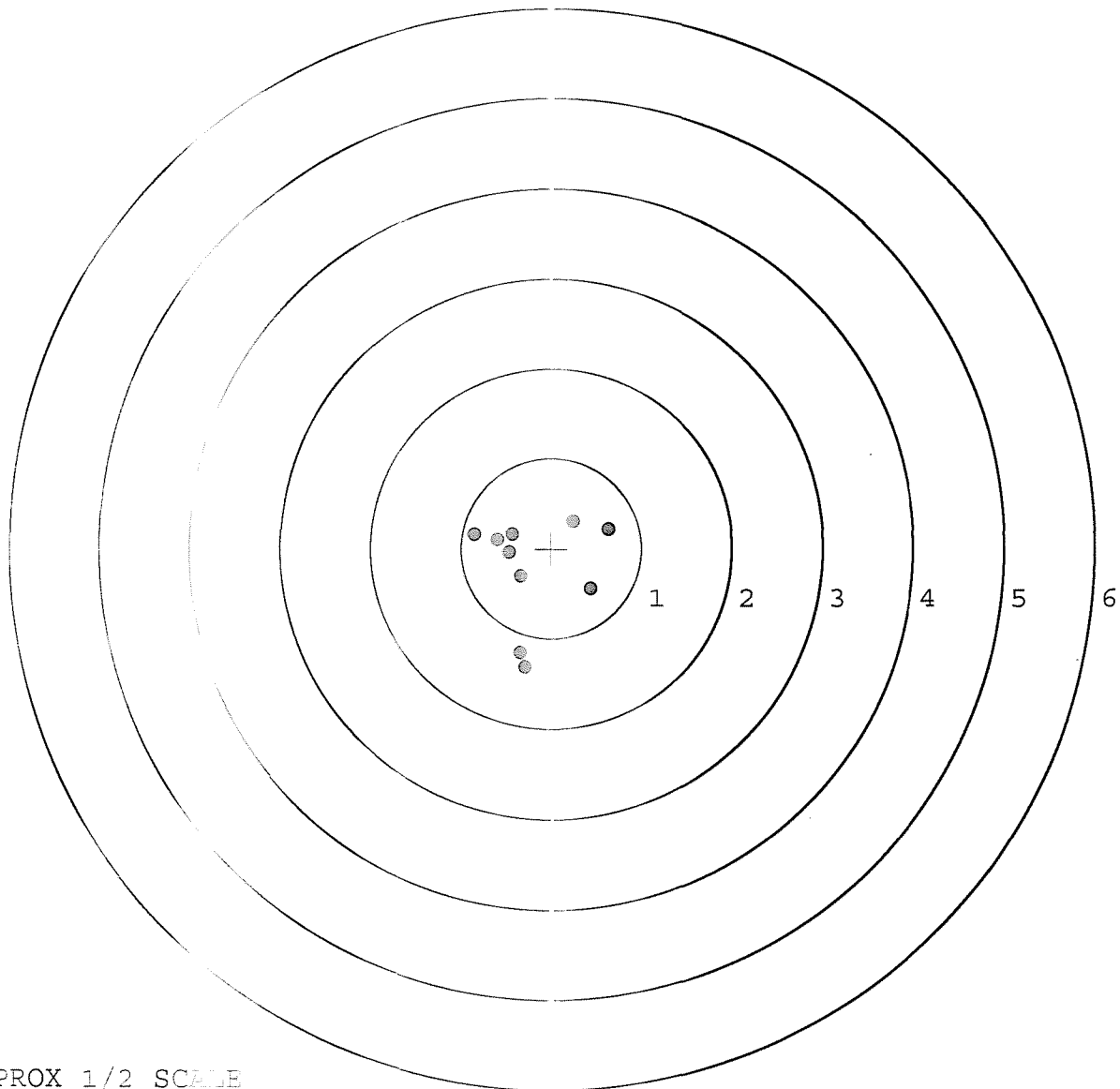
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.071
The Average Y Centroid of the Five Target Set:	-0.028
The Average Point of Impact of the Five Target Set:	0.076
The Average Mean Radius of the Five Target Set:	0.574
The Distance from POA to Centroid Target #1:	0.312
The Distance from Centroid Target #2 to Centroid Target #1:	0.428
The Distance from Centroid Target #3 to Centroid Target #1:	0.427
The Distance from Centroid Target #4 to Centroid Target #1:	0.551
The Distance from Centroid Target #5 to Centroid Target #1:	0.343

SERIAL NUMBER: C6522117.0
TARGET NUMBER: 1
FILE DATE: 11/21/2005
FILE TIME: 22:27

X CENTROID: -0.206
Y CENTROID: -0.234
POA TO CENTROID: 0.312
HORZ SPREAD: 1.493
VERT SPREAD: 1.623
GROUP SPREAD: 1.797
MIN RADIUS: 0.156
MAX RADIUS: 1.091
MEAN RADIUS: 0.658
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.235	0.302
2:	0.633	0.215
3:	0.436	-0.449
4:	-0.344	-0.307
5:	-0.470	-0.046
6:	-0.439	0.160
7:	-0.603	0.104
8:	-0.860	0.164
9:	-0.349	-1.164
10:	-0.299	-1.321

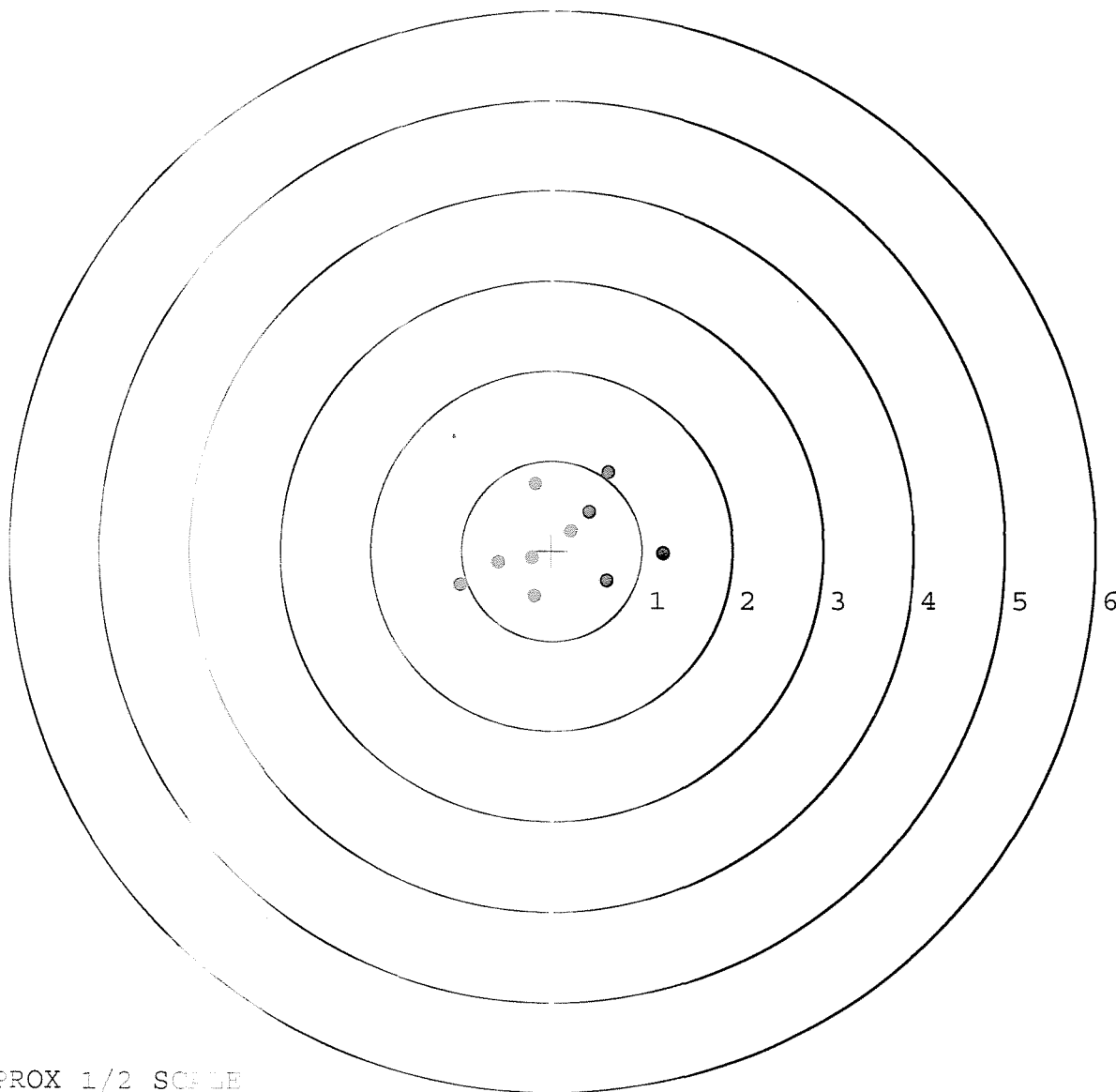


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522137. __0
TARGET NUMBER: 2
FILE DATE: 11/21/2005
FILE TIME: 22:27

POINT#	X	Y
1:	-0.225	-0.085
2:	-0.594	-0.129
3:	-0.198	-0.505
4:	-1.018	-0.375
5:	-0.189	0.743
6:	0.212	0.214
7:	0.409	0.429
8:	0.609	-0.338
9:	0.627	0.873
10:	1.227	-0.037

X CENTROID: 0.086
Y CENTROID: 0.079
POA TO CENTROID: 0.117
HORZ SPREAD: 2.245
VERT SPREAD: 1.378
GROUP SPREAD: 1.270
MIN RADIUS: 0.185
MAX RADIUS: 1.194
MEAN RADIUS: 0.706
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

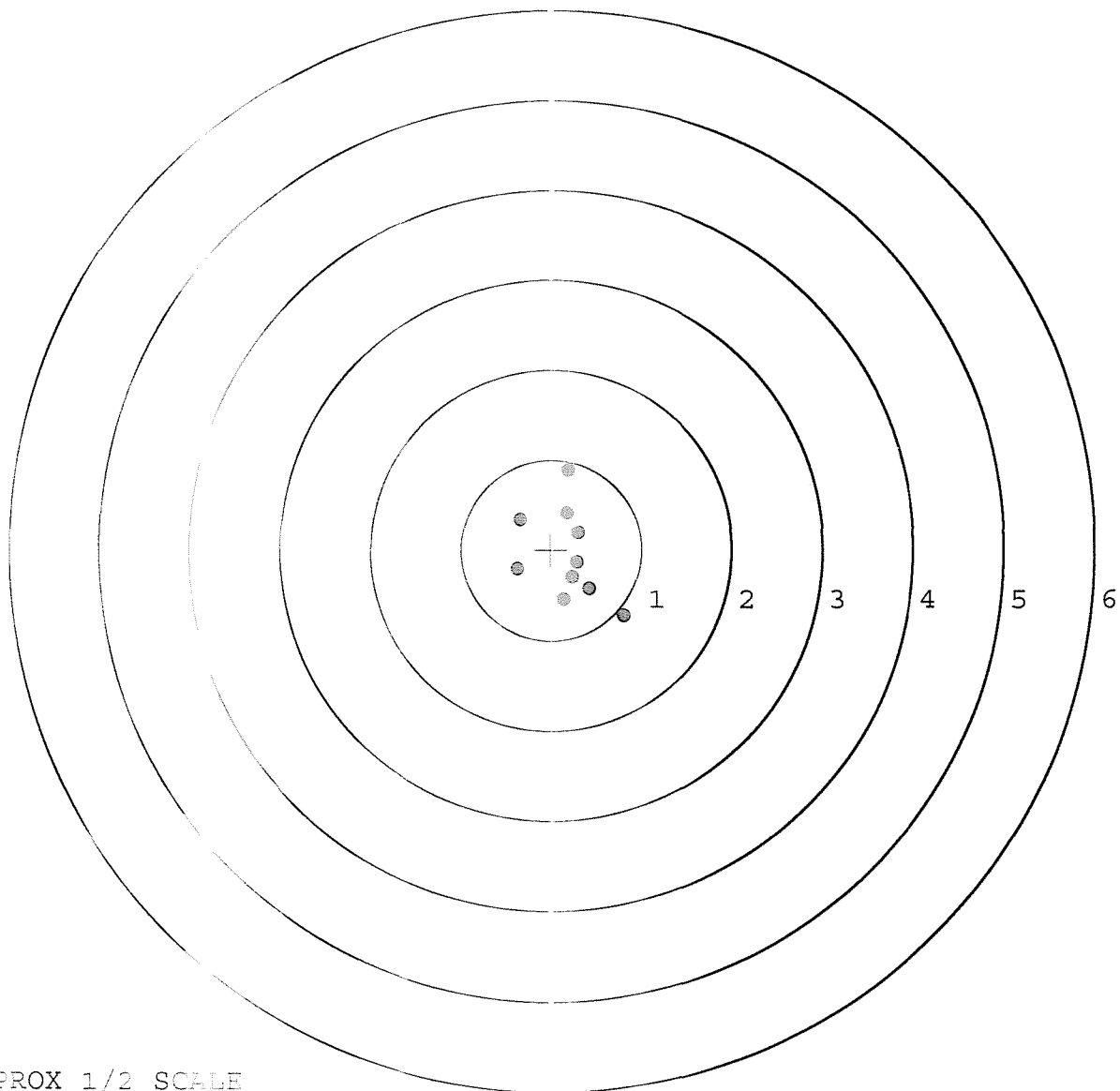


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522127. 0
TARGET NUMBER: 3
FILE DATE: 11/21/2005
FILE TIME: 22:27

POINT#	X	Y
1:	0.302	0.189
2:	0.176	0.413
3:	0.189	0.885
4:	-0.352	0.340
5:	-0.380	-0.214
6:	0.807	-0.736
7:	0.140	-0.558
8:	0.421	-0.437
9:	0.290	-0.145
10:	0.238	-0.309

X CENTROID: 0.183
Y CENTROID: -0.057
POA TO CENTROID: 0.192
HORZ SPREAD: 1.187
VERT SPREAD: 1.621
GROUP SPREAD: 2.735
MIN RADIUS: 0.138
MAX RADIUS: 0.942
MEAN RADIUS: 0.521
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

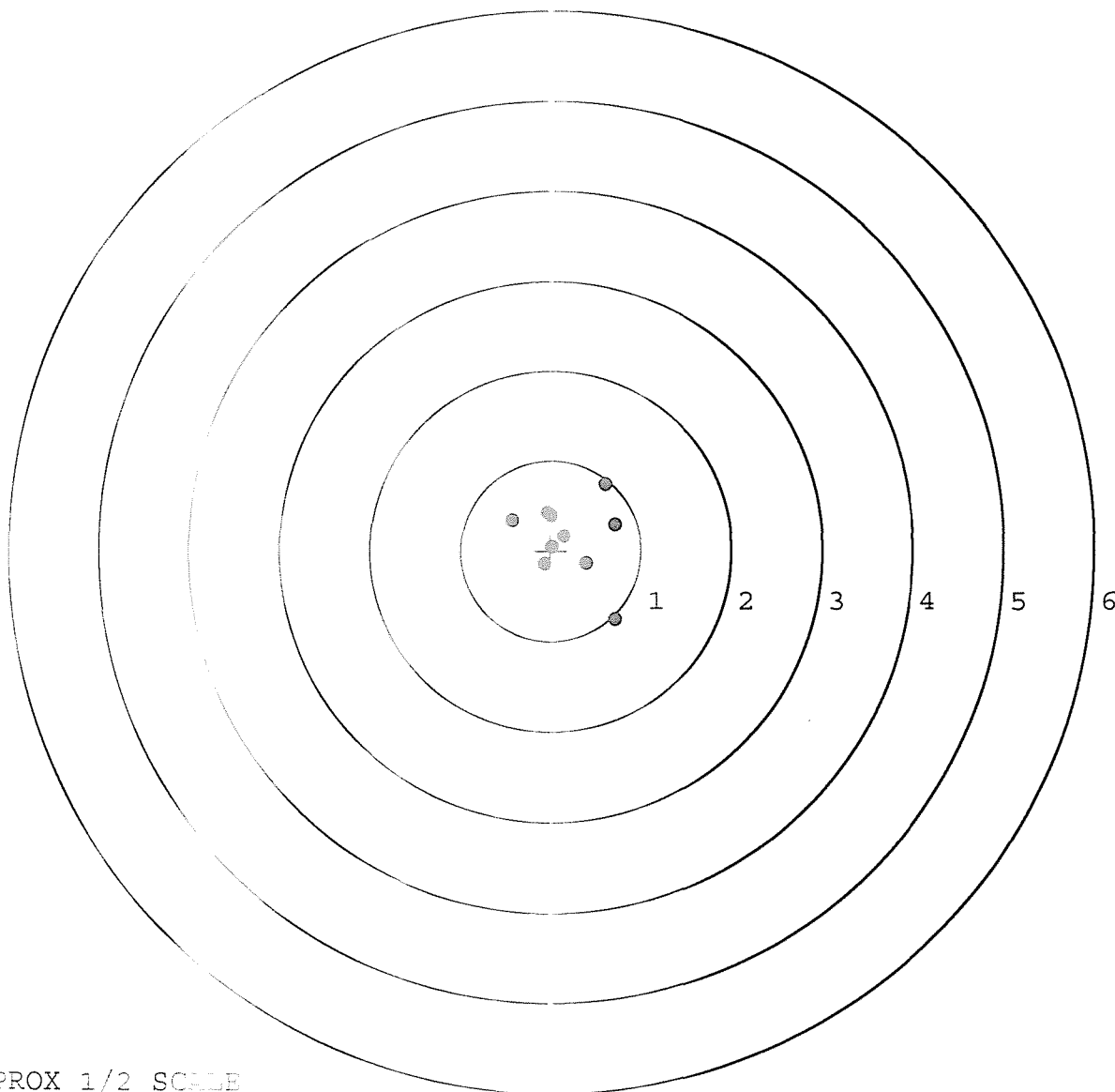


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522127.0
TARGET NUMBER: 4
FILE DATE: 11/21/2005
FILE TIME: 22:27

POINT#	X	Y
1:	-0.067	-0.151
2:	0.398	-0.142
3:	0.708	0.287
4:	0.147	0.163
5:	0.004	0.389
6:	0.601	0.738
7:	-0.436	0.338
8:	0.717	-0.761
9:	0.016	0.044
10:	-0.044	0.426

X CENTROID: 0.204
Y CENTROID: 0.133
POA TO CENTROID: 0.244
HORZ SPREAD: 1.153
VERT SPREAD: 1.499
GROUP SPREAD: 1.593
MIN RADIUS: 0.065
MAX RADIUS: 1.031
MEAN RADIUS: 0.466
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

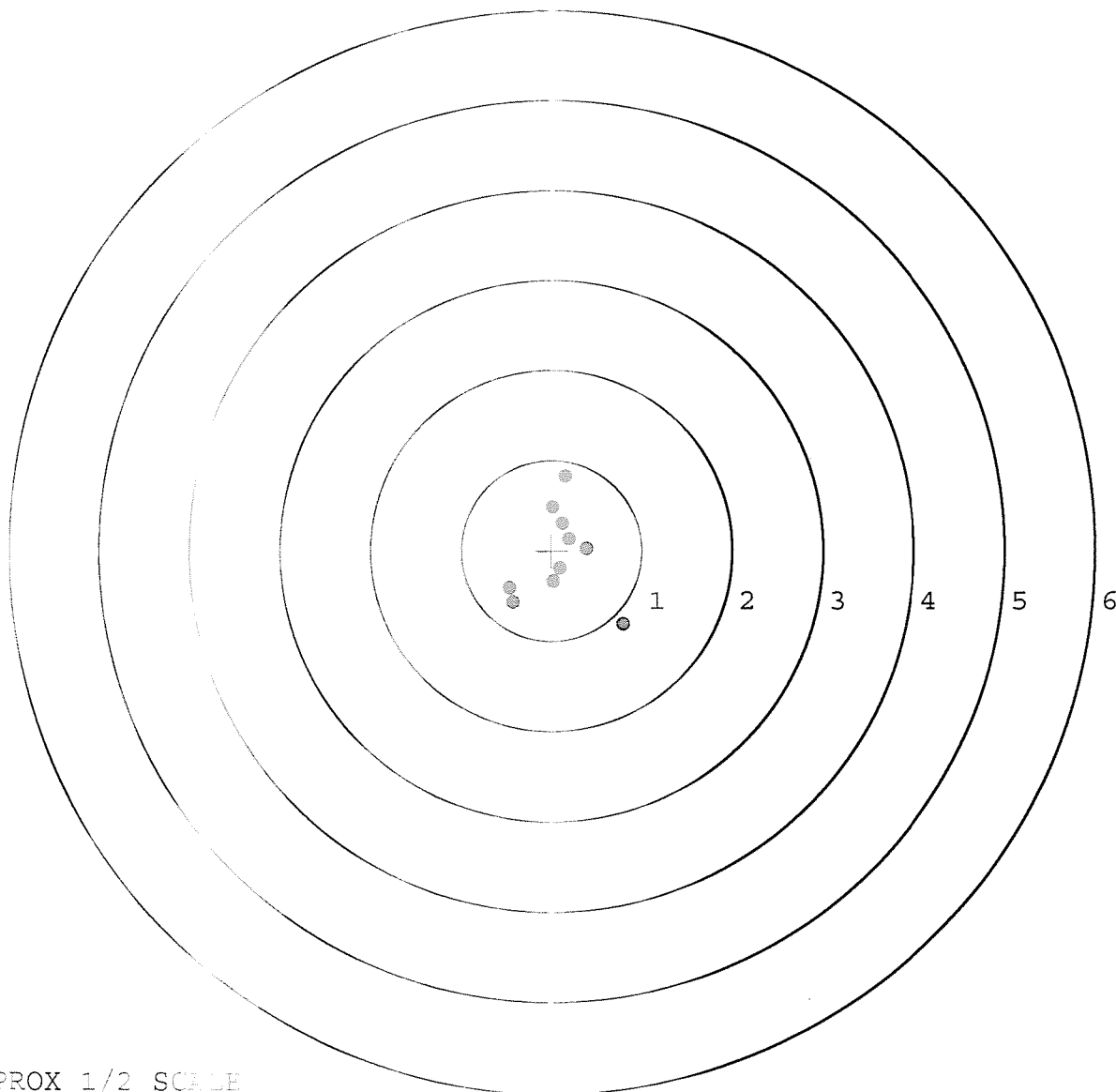


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522107.0
TARGET NUMBER: 5
FILE DATE: 11/21/2005
FILE TIME: 22:27

POINT#	X	Y
1:	0.014	0.481
2:	0.154	0.822
3:	0.797	-0.815
4:	-0.433	-0.575
5:	-0.469	-0.415
6:	0.021	-0.346
7:	0.097	-0.198
8:	0.388	0.026
9:	0.196	0.132
10:	0.123	0.303

X CENTROID: 0.089
Y CENTROID: -0.059
POA TO CENTROID: 0.106
HORZ SPREAD: 0.266
VERT SPREAD: 0.637
GROUP SPREAD: 0.759
MIN RADIUS: 0.140
MAX RADIUS: 0.036
MEAN RADIUS: 0.519
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102776		
SERIAL NUMBER	CAMP SHELBY C 6522137		
LOG-IN DATE	10-26-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	11-2-05	AC
560 A	RE-BARREL	11-9-05	AC
B	DRILL AND TAP		
575	ASSEMBLE	11-14-05	CD
600	PROOF MAGNAFLUX	11-14-05	CD
605	CHECK HEADSPACE	11-14-05	CD
610	DIS-ASSEMBLE	11-14-05	CD
612	MAGNAFLUX	11-15-05	unsub
615	ROLLMARK CALIBER	11-15-05	CW
618	ROTO-BLAST	11-16-05	LB
620	APPLY COATINGS	11-16-05	HT
625 A	FINAL ASSEMBLY	11-18-05	BC
B	TRIGGER PULL TEST	11-21-05	AC
C	SAFETY "ON" FORCE	11-21-05	AC
D	SAFETY "OFF" FORCE	11-21-05	AC
E	FIRING PIN INDENT	11-21-05	AC
640	TARGET	11-21-05	MTM
655	FINAL INSPECT	11-21-05	AC
660	PACK	12-2-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®



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

MODEL 700™ H24

SERIAL NO.

C6522137

ORDER NO.

5716

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

01



5716 C6522137

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6527137

OP. #	OP. NAME	READINGS	DATE	INIT
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		8/23/90	LB
618	Polish Barrel RB		8/23/90	WB
620	Apply Coatings (Barrel Action)		8/23/90	LB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	Rev
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	Rev
	C) Inspect Ejector Hole for Chamfer		8/31/90	Rev
	D) Oil Firing Pin Ass'y		8/31/90	Rev
	E) Adjust Trigger Pull to Min Setting and Stake		9/14/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	4	4	4			9/14/90	WB
	G) Safety Off Force	2	2	2			9/14/90	WB
	H) Trigger Pull Test & Retainability						9/14/90	WB
	I) Firing Pin Indent	.022	.023	.023			9/14/90	WB
	J) Assemble Stock						9/14/90	RW
	K) Assemble Swivel Studs						9/16/90	JD
	L) Attach Front and Rear Sight Assemblies						9/14/90	RW
	M) Iron Sight Alignment						9/14/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/14/90	RW
	O) Attach Scope to Rifle						9/14/90	RW
	P) Detach & Attach Scope 20 Times						9/14/90	RW
640	Gallery Target & Test						9-15-90	DH
	A) Time						9-15-90	DH
	B) Malfunctions						9-15-90	DH
	C) Pierced Primers						9-15-90	DH
	D) Optical Clarity of Scope						9-15-90	DH
645	Inspect for Live Ammo						9-15-90	DH
655	Final Inspection							
	A) Headspace						9/16/90	JD
	B) Trigger Pull	2.23	2.30	2.29	2.21	2.31	9-16-90	JD
	C) Function						9/16/90	JD
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. C6522137
DATE 9/14/90
TESTER W B

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.44	2.44	2.23	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.42	2.46	2.30	
PULL #3	2.44	2.40	2.45	2.29	
PULL #4	2.43	2.41	2.41	2.21	
PULL #5	2.36	2.40	2.42	2.31	
TOTAL	11.94	12.07	12.18	11.34	
AVG.	2.39	2.41	2.43	2.268	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.03		
PULL #2	3.12	3.08		
PULL #3	3.12	3.07		
PULL #4	3.08	3.09		
PULL #5	3.09	3.08		
TOTAL	15.52	15.35		
AVG.	3.10	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	3.95		4.00
PULL #2	4.01	3.95		4.03
PULL #3	4.00	4.03		3.95
PULL #4	3.95	3.90		4.00
PULL #5	4.02	3.97		4.02
TOTAL	20.00	19.80		20.00
AVG.	4.00	3.96		4.00

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522137
15 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.22274
1 TO	2	.443208
1 TO	3	.150526
1 TO	4	.607741
1 TO	5	.699826

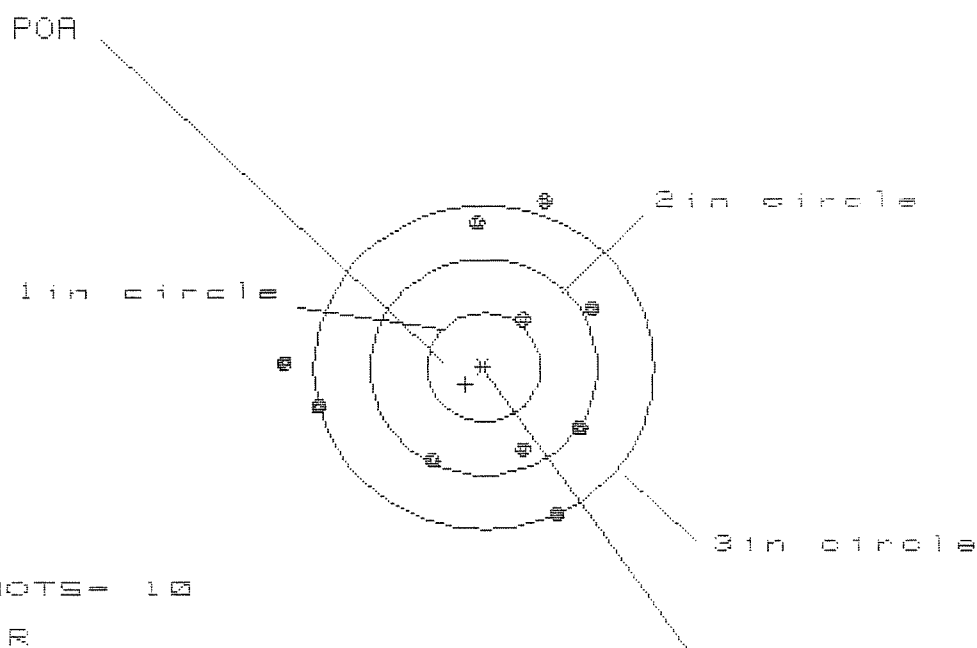
$\bar{x}_s^2$ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .42
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0328
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .421279
THE AMR FOR THIS RIFLE IS: 1.168

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522137

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 2.677

VS= 2.882

GS= 2.884

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.942	.749	.797
MINIMUM X	-1.735	-1.666	-1.618
MAXIMUM Y	1.518	1.523	1.509
MINIMUM Y	-1.364	-1.359	-1.169
CENTROID X	.158	.351	.303
CENTROID Y	.157	.152	-.038
POA TO CENTROID in.	.223	.383	.306
MIN RADIUS	.559	.487	.600
MEAN RADIUS	1.213	1.124	1.054
MAX RADIUS	1.736	1.707	1.629
HORIZONTAL SPREAD	2.677	2.415	2.415
VERTICAL SPREAD	2.882	2.882	2.678
EXTREME SPREAD	2.884	2.884	2.784
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522137

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS= 2.176

VS= 3.369

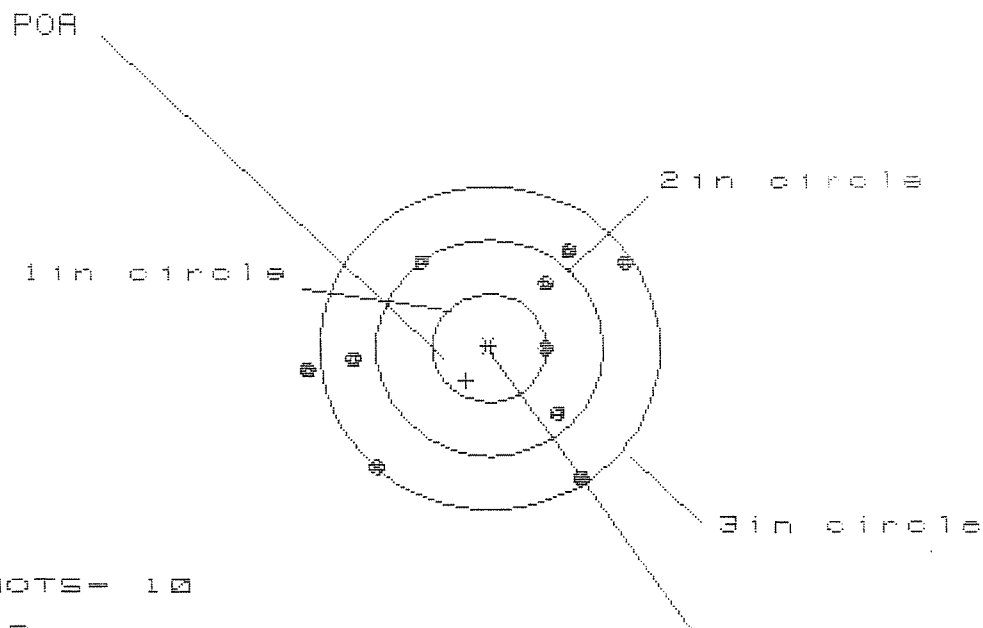
GS= 3.636

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.882	.796	.860
MINIMUM X	:	-1.294	-1.380	-1.316
MAXIMUM Y	:	1.255	1.020	1.147
MINIMUM Y	:	-2.114	-1.232	-1.105
CENTROID X	:	.405	.491	.427
CENTROID Y	:	-.211	.024	-.103
POA TO CENTROID in.	:	.456	.491	.439
MIN RADIUS	:	.387	.241	.349
MEAN RADIUS	:	1.101	.928	.910
MAX RADIUS	:	2.252	1.449	1.318
HORIZONTAL SPREAD	:	2.176	2.176	2.176
VERTICAL SPREAD	:	3.369	2.252	2.252
EXTREME SPREAD	:	3.636	2.586	2.366
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522137

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 0

2in = 3

3in = 9

HS= 2.837

VS= 2.103

GS= 2.897

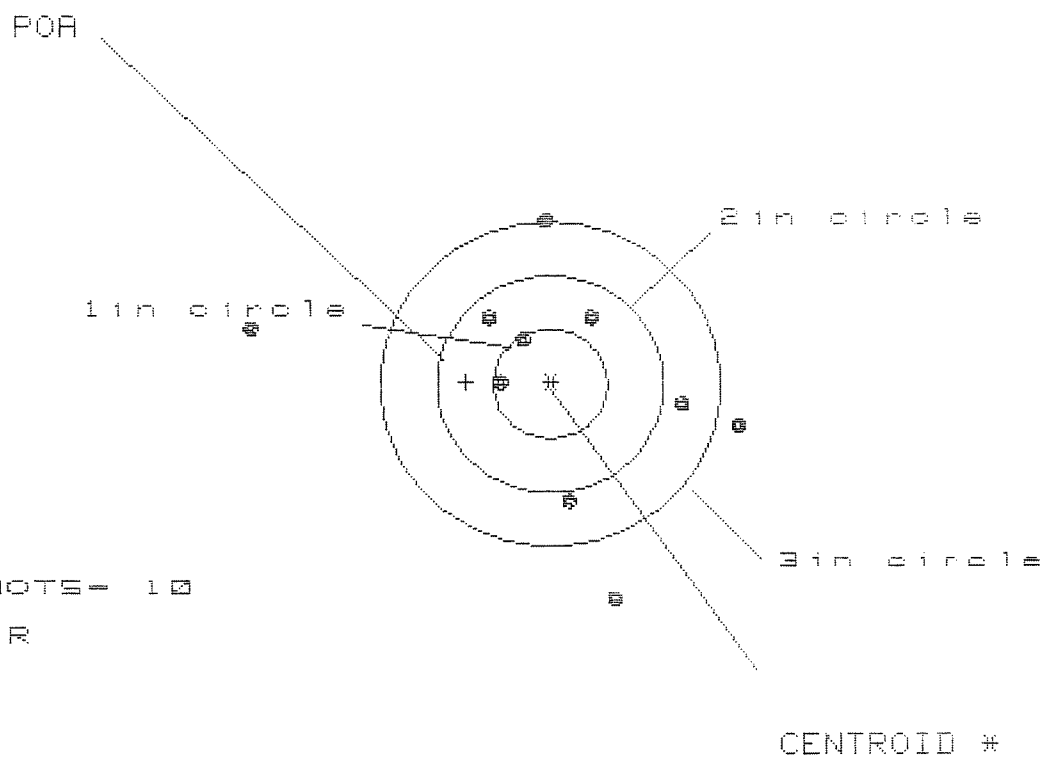
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.230	1.051	.909
MINIMUM X	:	-1.607	-1.423	-1.565
MAXIMUM Y	:	.905	.883	.743
MINIMUM Y	:	-1.199	-1.220	-1.360
CENTROID X	:	.205	.384	.526
CENTROID Y	:	.300	.322	.462
POA TO CENTROID in.	:	.364	.501	.700
MIN RADIUS	:	.527	.351	.277
MEAN RADIUS	:	1.158	1.069	.959
MAX RADIUS	:	1.618	1.600	1.581
HORIZONTAL SPREAD	:	2.837	2.474	2.474
VERTICAL SPREAD	:	2.103	2.103	2.103
EXTREME SPREAD	:	2.997	2.886	2.613
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522137

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 4.339

VS= 3.505

GS= 4.447

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.660	1.362	1.393
MINIMUM X	:	-2.679	-.833	-.802
MAXIMUM Y	:	1.510	1.573	1.331
MINIMUM Y	:	-1.995	-1.932	-1.294
CENTROID X	:	.740	1.038	1.007
CENTROID Y	:	-.018	-.081	.161
POA TO CENTROID in.	:	.740	1.041	1.020
MIN RADIUS	:	.414	.639	.404
MEAN RADIUS	:	1.274	1.119	.969
MAX RADIUS	:	2.738	1.948	1.511
HORIZONTAL SPREAD	:	4.339	2.195	2.195
VERTICAL SPREAD	:	3.505	3.505	2.625
EXTREME SPREAD	:	4.447	3.551	2.635
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

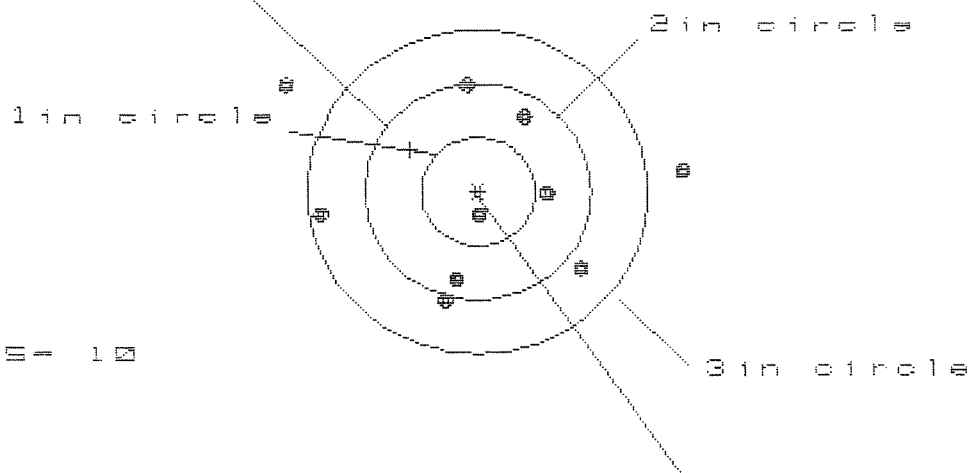
15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522137

CENTERFIRE PATTERNS

5

POA



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.527

VS= 2.028

GS= 3.616

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.815	1.625	.902
MINIMUM X	:	-1.712	-1.596	-1.393
MAXIMUM Y	:	1.036	1.105	1.149
MINIMUM Y	:	-.992	-.877	-.833
CENTROID X	:	.592	.782	.579
CENTROID Y	:	-.392	-.507	-.551
POA TO CENTROID in.	:	.710	.932	.799
MIN RADIUS	:	.195	.195	.042
MEAN RADIUS	:	1.092	.960	.855
MAX RADIUS	:	2.001	1.664	1.393
HORIZONTAL SPREAD	:	3.527	3.221	2.295
VERTICAL SPREAD	:	2.028	1.982	1.982
EXTREME SPREAD	:	3.616	3.249	2.361
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	