

C6522163

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: **RE00131394**

Serial: C6522163 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 7/17/2007 7:49:12 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: CO. B 2d Bn., 3d SFG-A

CO. B 2d Bn., 3d SFG-A

Address 1: SGT TIMOTHY KRANZ

SGT TIMOTHY KRANZ

Address 2: E-1650 KUWAIT STREET

PO Box:

E-1650 KUWAIT STREET

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: 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

naglej

7/17/2007

8:14 AM

CAPS

NUM

INS

SCRL

start

3 Microsoft Of...

3 Microsoft Of...

Arms Services R...

4 Internet Expl...

8:14 AM

Serial Number:

C6522163

Model: **M24 SWS**



RE00131394

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522163.___0
FILE DATE AND TIME: 09/08/2007 06:43

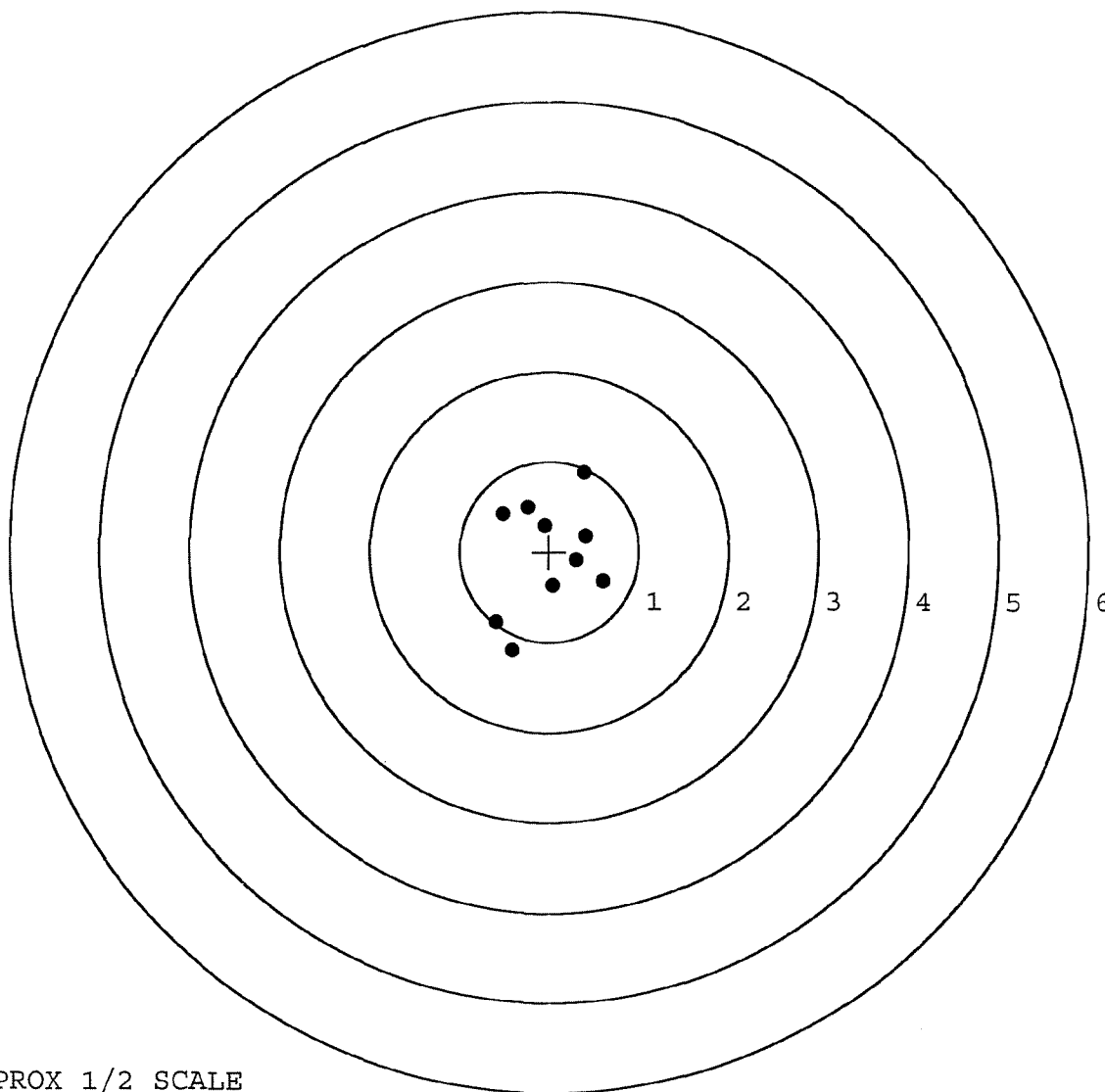
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.041
The Average Y Centroid of the Five Target Set:	-0.076
The Average Point of Impact of the Five Target Set:	0.086
The Average Mean Radius of the Five Target Set:	0.670
The Distance from POA to Centroid Target #1:	0.044
The Distance from Centroid Target #2 to Centroid Target #1:	0.205
The Distance from Centroid Target #3 to Centroid Target #1:	0.101
The Distance from Centroid Target #4 to Centroid Target #1:	0.194
The Distance from Centroid Target #5 to Centroid Target #1:	0.144

SERIAL NUMBER: C6522163. __0
TARGET NUMBER: 1
FILE DATE: 09/08/2007
FILE TIME: 06:43

X CENTROID: -0.011
Y CENTROID: -0.042
POA TO CENTROID: 0.044
HORZ SPREAD: 1.202
VERT SPREAD: 1.972
GROUP SPREAD: 2.131
MIN RADIUS: 0.315
MAX RADIUS: 1.128
MEAN RADIUS: 0.648
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.418	-1.094
2:	-0.600	-0.782
3:	0.602	-0.332
4:	0.043	-0.375
5:	0.300	-0.096
6:	0.401	0.179
7:	0.389	0.878
8:	-0.055	0.289
9:	-0.244	0.495
10:	-0.524	0.416



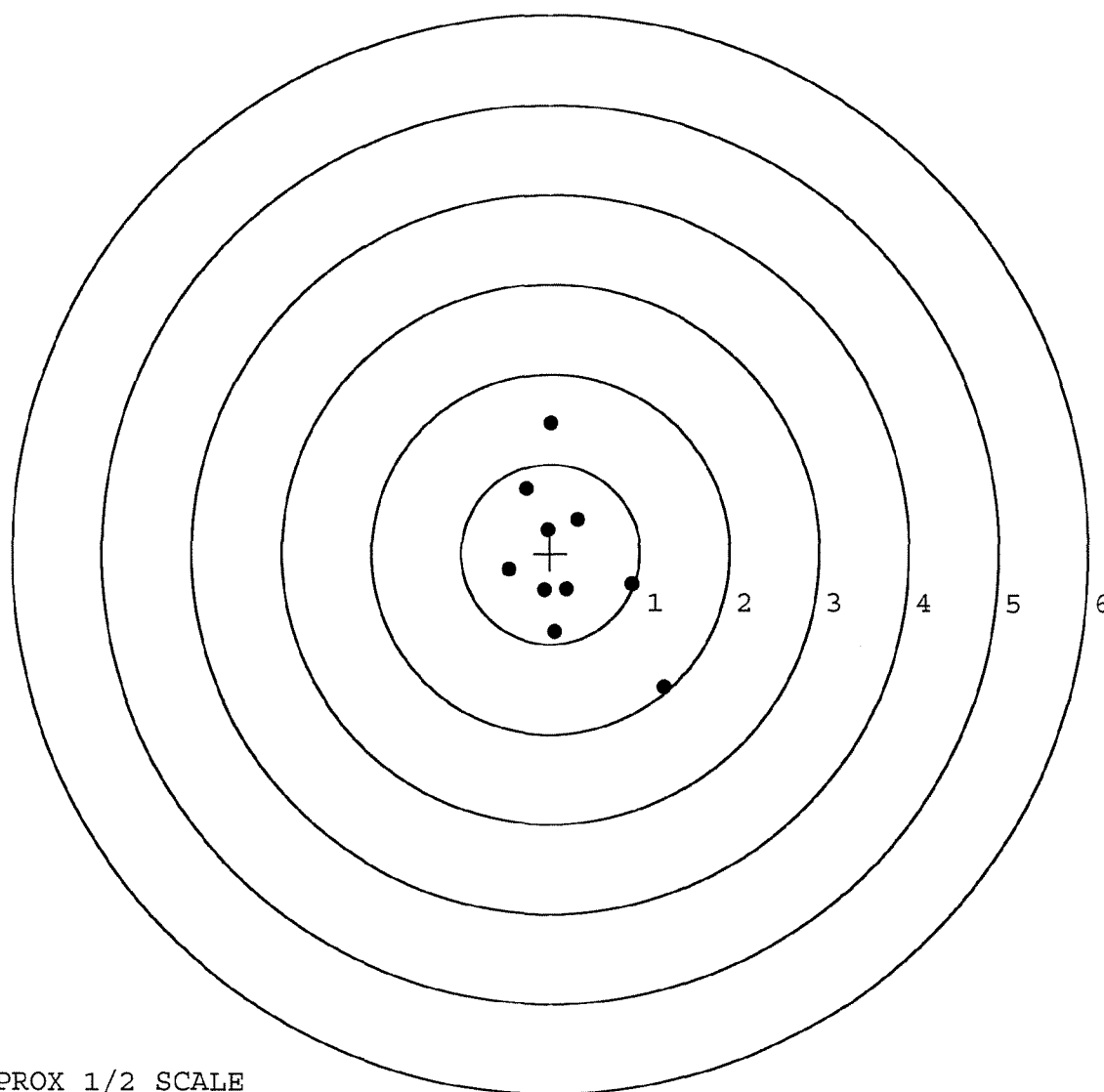
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163.____0
TARGET NUMBER: 2
FILE DATE: 09/08/2007
FILE TIME: 06:43

X CENTROID: 0.189
Y CENTROID: -0.089
POA TO CENTROID: 0.209
HORZ SPREAD: 1.724
VERT SPREAD: 2.942
GROUP SPREAD: 3.197
MIN RADIUS: 0.315
MAX RADIUS: 1.762
MEAN RADIUS: 0.810

POINT#	X	Y
1:	1.261	-1.487
2:	0.918	-0.349
3:	0.047	-0.868
4:	0.183	-0.404
5:	-0.068	-0.412
6:	-0.463	-0.187
7:	0.305	0.376
8:	-0.029	0.262
9:	-0.273	0.725
10:	0.011	1.455

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

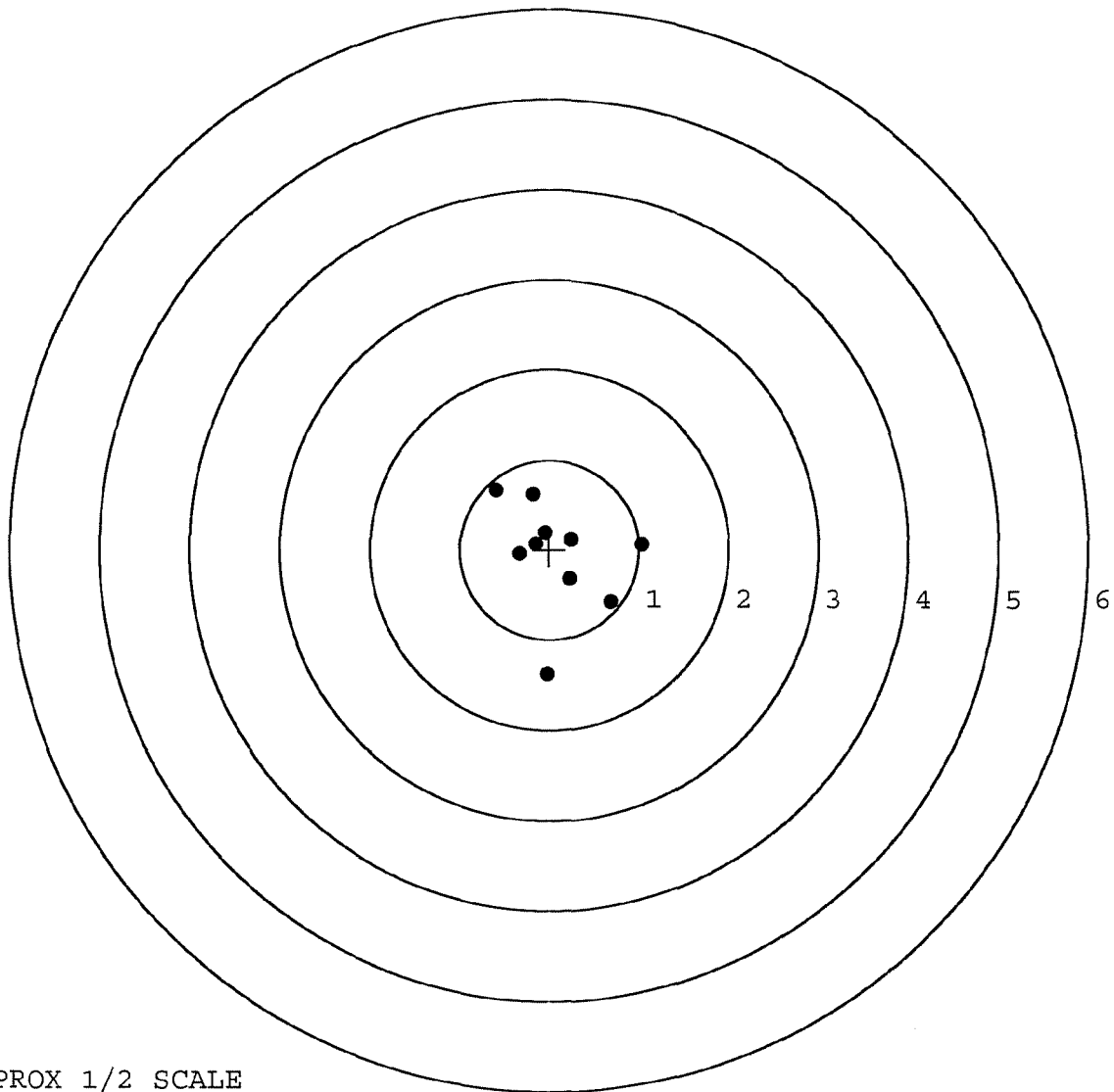


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. __0
TARGET NUMBER: 3
FILE DATE: 09/08/2007
FILE TIME: 06:43

X CENTROID: 0.088
Y CENTROID: -0.063
POA TO CENTROID: 0.109
HORZ SPREAD: 1.637
VERT SPREAD: 2.060
GROUP SPREAD: 2.139
MIN RADIUS: 0.240
MAX RADIUS: 1.330
MEAN RADIUS: 0.634
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.023	-1.389
2:	0.689	-0.583
3:	1.038	0.057
4:	0.227	-0.329
5:	-0.599	0.671
6:	-0.181	0.624
7:	0.250	0.114
8:	-0.331	-0.052
9:	-0.147	0.064
10:	-0.041	0.188

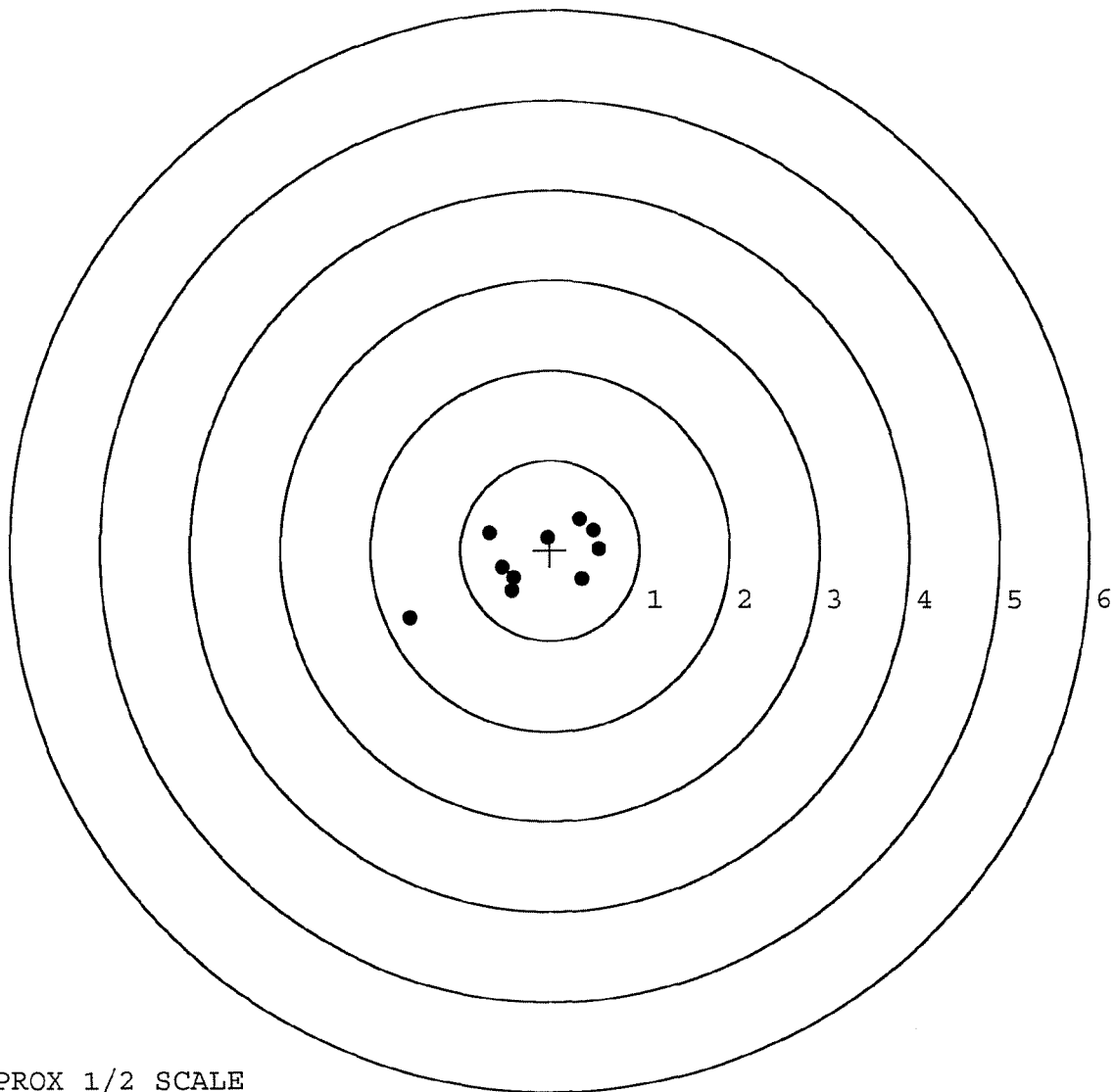


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. __0
TARGET NUMBER: 4
FILE DATE: 09/08/2007
FILE TIME: 06:43

X CENTROID: -0.192
Y CENTROID: -0.112
POA TO CENTROID: 0.222
HORZ SPREAD: 2.110
VERT SPREAD: 1.102
GROUP SPREAD: 2.266
MIN RADIUS: 0.294
MAX RADIUS: 1.512
MEAN RADIUS: 0.624
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.561	-0.753
2:	-0.430	-0.451
3:	-0.534	-0.199
4:	-0.681	0.194
5:	0.357	-0.326
6:	0.549	0.017
7:	0.484	0.222
8:	0.328	0.349
9:	-0.022	0.139
10:	-0.407	-0.313

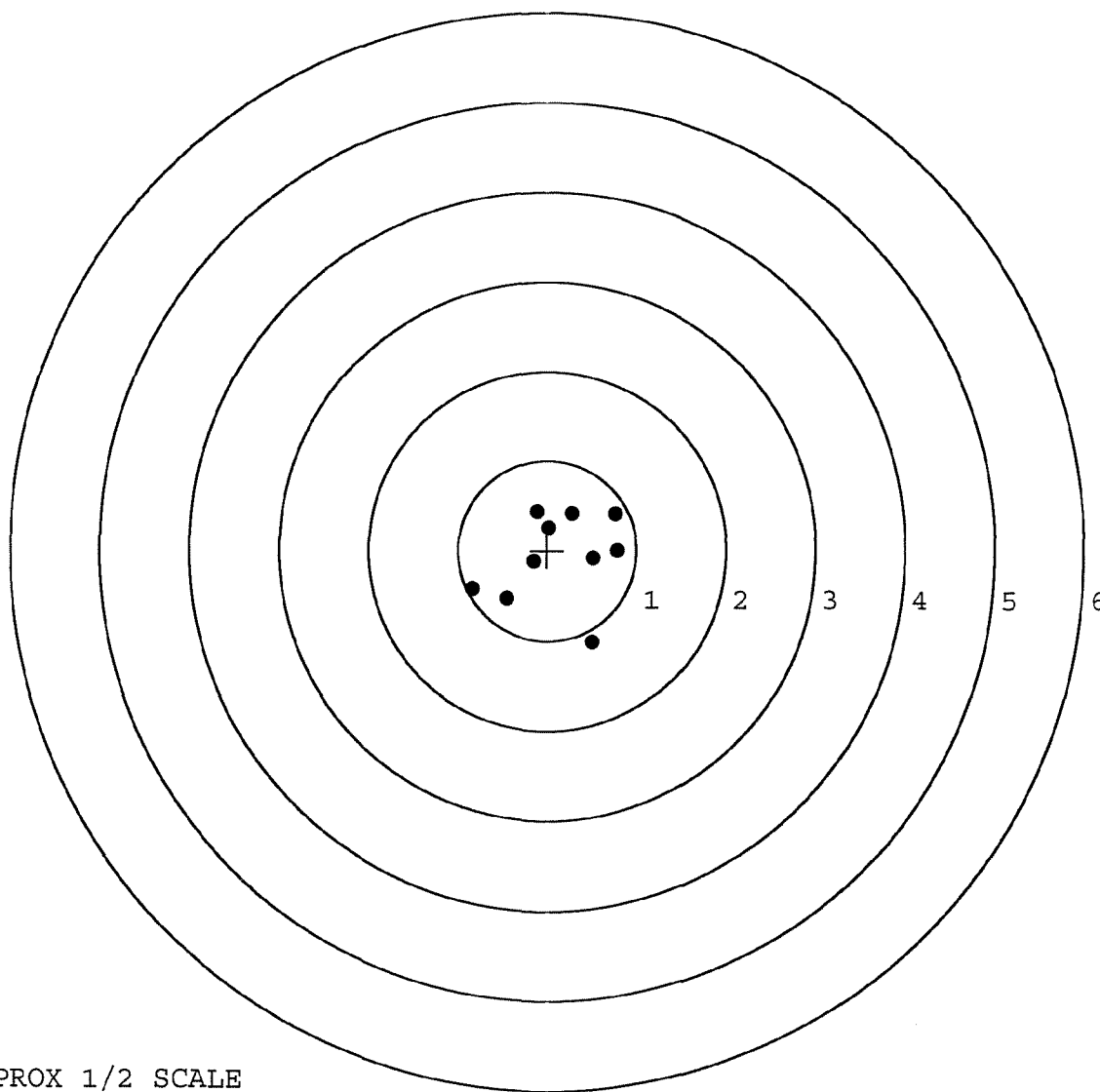


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. __0
TARGET NUMBER: 5
FILE DATE: 09/08/2007
FILE TIME: 06:43

X CENTROID: 0.131
Y CENTROID: -0.071
POA TO CENTROID: 0.149
HORZ SPREAD: 1.635
VERT SPREAD: 1.444
GROUP SPREAD: 1.808
MIN RADIUS: 0.288
MAX RADIUS: 1.038
MEAN RADIUS: 0.633
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.505	-1.017
2:	-0.844	-0.428
3:	-0.455	-0.537
4:	-0.152	-0.124
5:	0.791	-0.012
6:	0.517	-0.087
7:	0.761	0.405
8:	0.274	0.408
9:	-0.114	0.427
10:	0.025	0.253



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		131394		
SERIAL NUMBER		C6522163		
LOG-IN DATE		7-7-07		

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-14-07	RTZ
505	RE-BARREL	8-15-07	RTZ
560	ASSEMBLE	8-20-07	RTZ
600	PROOF	8/23/07	non
605	CHECK HEADSPACE	8/23/07	non
610	DIS-ASSEMBLE GUN	8-25-07	RTZ
612	MAGNAFLUX	8-30-07	JG
510	DRILL AND TAP	8-27-07	TRW
615	ROLLMARK CALIBER	8-28-07	CW
618	ROTO-BLAST	8-30-07	LY
620	APPLY COATINGS	8/31/07	ZB
625	FINAL ASSEMBLY	9-7-07	RTZ
640	FUNCTION TEST AND	9/7/07	non
650	TARGET	9/7/07	non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9/10/07	SD
	A) HEADSPACE	9/10/07	non
	B) TRIGGER PULL	2.84 2.61 2.75 2.73 2.81 9-10-07	DA
680	F) SAFETY ON FORCE	4.25 4.5 4.25 9/10/07	non
	G) SAFETY OFF FORCE	4.0 4.0 4.0 9/10/07	non
	I) FIRING PIN INDENT	.021 .021 .021 9/10/07	non
690	PACK	9-12-07	DA

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: **RE00036618** Serial: C6522163 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 10 of 10 Repairman: Status: Closed 11/30/01 10:20:45 AM

Verify Repair **High Priority**

Address Information

Customer: Received From Return To: Received From

Name: Address 1: Address 2: PO Box: City: FORT BRAGG State: NC Zip Code: Country: US

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Base	1

Repair Search Refresh Close

nagletj 11/30/01 11:12 AM CAPS NUM INS SCRL

Start L C A S P T D E S V I...

Serial Number: **C6522163**

Model: **700**



RE00036618

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

R & E NUMBER	36618		
SERIAL NUMBER	06522163		
LOG-IN DATE	11-30-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-1-01	RTH
560 A	RE-BARREL	12/3/01	BWT
B	DRILL AND TAP	12/3/01	BWT
575	ASSEMBLE	12-4-01	RTH
600	PROOF	12-4-01	RTH
605	CHECK HEADSPACE	12-4-01	RTH
610	DIS-ASSEMBLE GUN	12-4-01	RTH
612	MAGNAFLUX		AL
615	ROLLMARK CALIBER	12-4-01	RTH
618	ROTO-BLAST	12/7	KO
620	APPLY COATINGS	12-10	TB
625 A	FINAL ASSEMBLY	12-11-01	RTH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-12-01	AC
655	FINAL INSPECT	12-18-01	RTH
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522163.___0

FILE DATE AND TIME: 12/12/2001 04:25

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

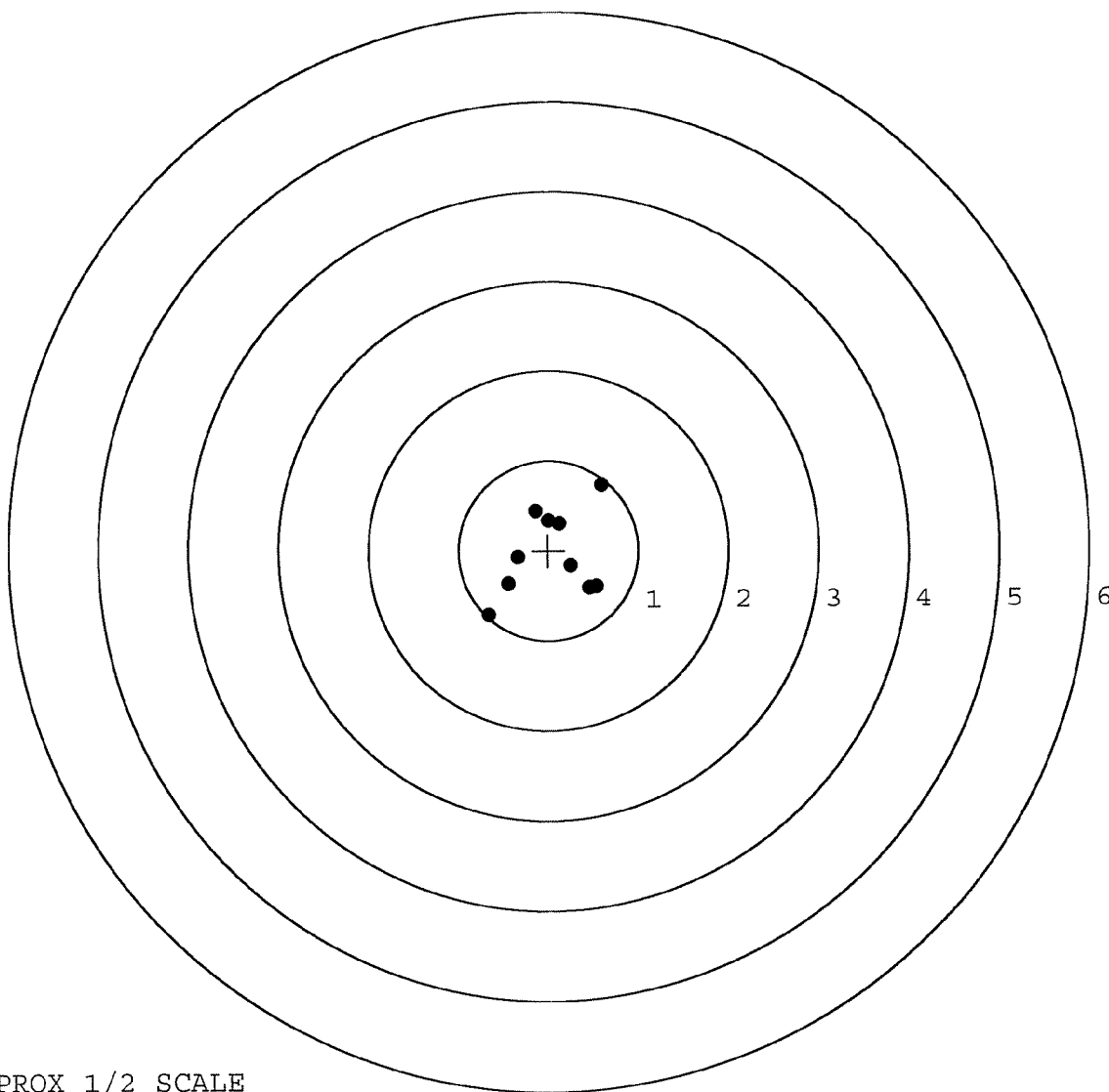
The Average X Centroid of the Five Target Set:	-0.026
The Average Y Centroid of the Five Target Set:	0.024
The Average Point of Impact of the Five Target Set:	0.035
The Average Mean Radius of the Five Target Set:	0.524
The Distance from POA to Centroid Target #1:	0.050
The Distance from Centroid Target #2 to Centroid Target #1:	0.179
The Distance from Centroid Target #3 to Centroid Target #1:	0.207
The Distance from Centroid Target #4 to Centroid Target #1:	0.052
The Distance from Centroid Target #5 to Centroid Target #1:	0.113

SERIAL NUMBER: C6522163. __0
TARGET NUMBER: 1
FILE DATE: 12/12/2001
FILE TIME: 04:25

X CENTROID: 0.036
Y CENTROID: -0.034
POA TO CENTROID: 0.050
HORZ SPREAD: 1.268
VERT SPREAD: 1.445
GROUP SPREAD: 1.922
MIN RADIUS: 0.252
MAX RADIUS: 0.981
MEAN RADIUS: 0.558

POINT#	X	Y
1:	0.460	-0.415
2:	0.250	-0.167
3:	0.126	0.304
4:	-0.140	0.440
5:	0.597	0.731
6:	-0.346	-0.080
7:	-0.452	-0.372
8:	-0.671	-0.714
9:	0.006	0.338
10:	0.534	-0.404

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

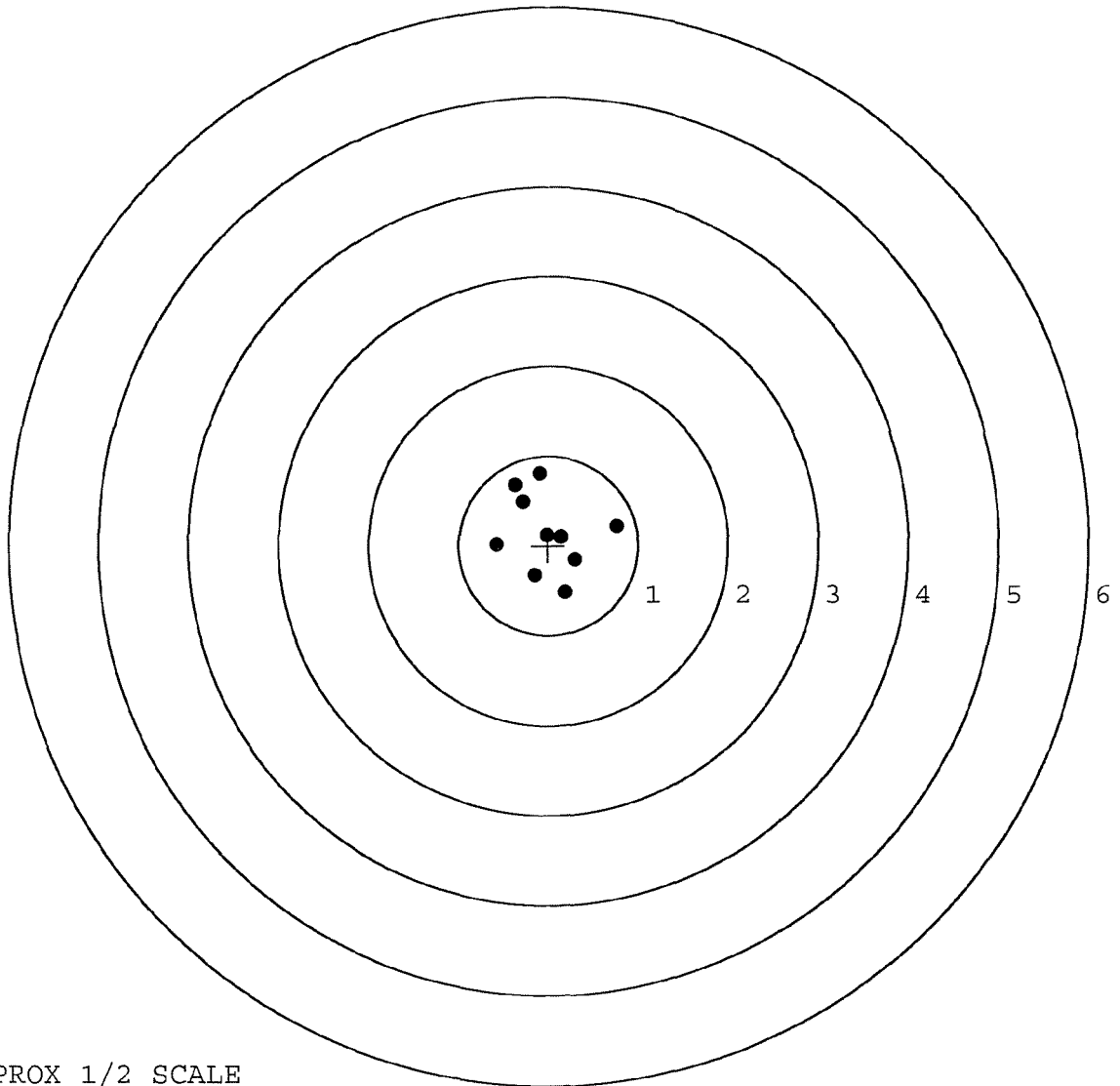


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. 0
TARGET NUMBER: 2
FILE DATE: 12/12/2001
FILE TIME: 04:25

X CENTROID: -0.008
Y CENTROID: 0.140
POA TO CENTROID: 0.140
HORZ SPREAD: 1.339
VERT SPREAD: 1.332
GROUP SPREAD: 1.354
MIN RADIUS: 0.024
MAX RADIUS: 0.773
MEAN RADIUS: 0.493
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.096	0.803
2:	-0.367	0.677
3:	-0.283	0.492
4:	-0.013	0.116
5:	0.150	0.097
6:	0.303	-0.159
7:	0.191	-0.529
8:	0.761	0.219
9:	-0.152	-0.338
10:	-0.578	0.017

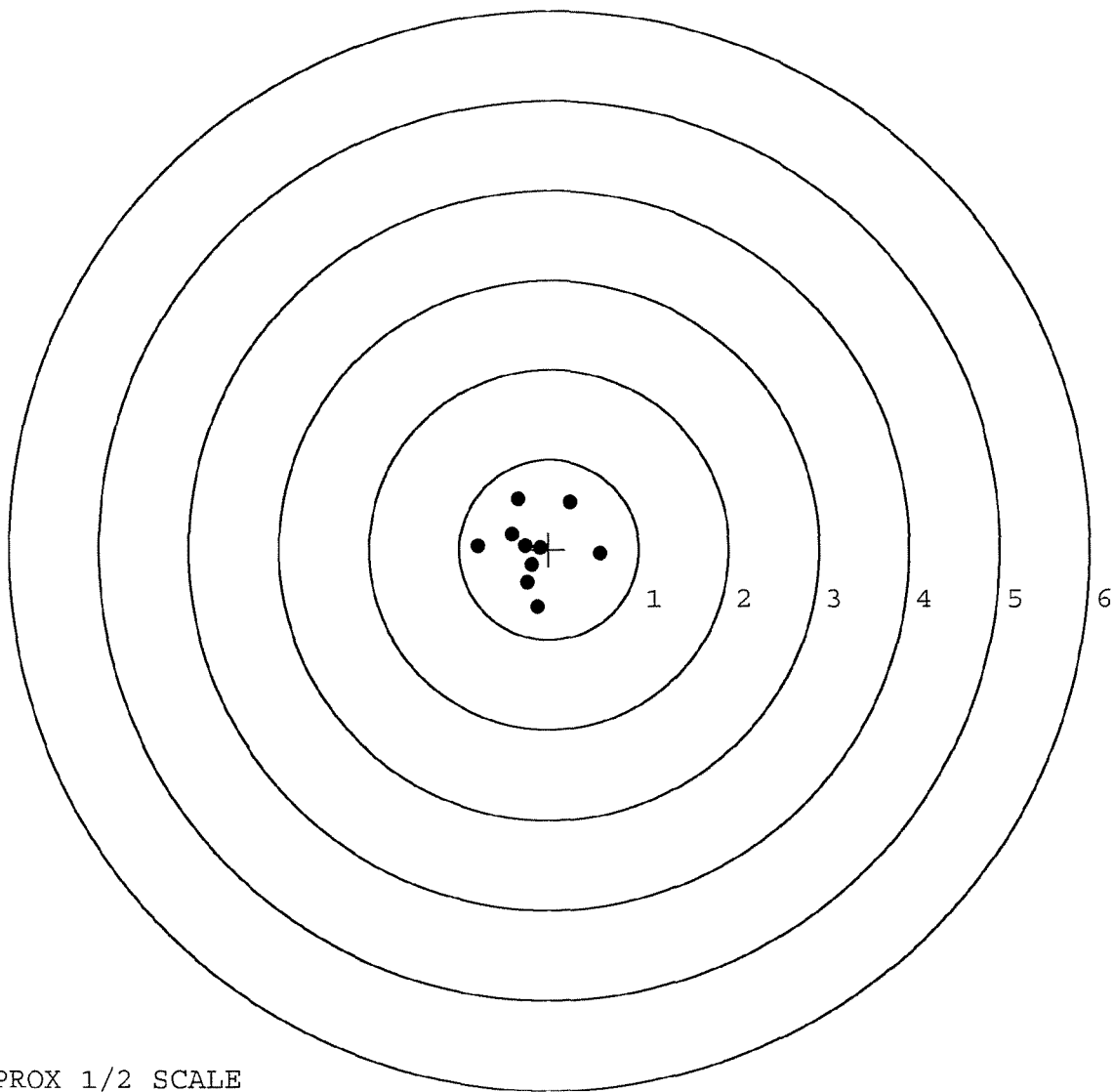


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. __0
TARGET NUMBER: 3
FILE DATE: 12/12/2001
FILE TIME: 04:25

X CENTROID: -0.166
Y CENTROID: 0.013
POA TO CENTROID: 0.166
HORZ SPREAD: 1.368
VERT SPREAD: 1.206
GROUP SPREAD: 1.371
MIN RADIUS: 0.071
MAX RADIUS: 0.747
MEAN RADIUS: 0.432
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.341	0.562
2:	0.234	0.531
3:	0.579	-0.048
4:	-0.418	0.173
5:	-0.789	0.045
6:	-0.130	-0.644
7:	-0.243	-0.371
8:	-0.189	-0.180
9:	-0.095	0.017
10:	-0.265	0.043



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. 0

TARGET NUMBER: 4

FILE DATE: 12/12/2001

FILE TIME: 04:25

POINT#	X	Y
1:	-0.277	1.036
2:	0.735	-0.224
3:	0.531	-0.901
4:	0.098	-0.784
5:	0.452	0.396
6:	-0.473	0.302
7:	-0.324	0.031
8:	-0.079	-0.172
9:	-0.049	0.187
10:	0.164	0.108

X CENTROID: 0.078

Y CENTROID: -0.002

POA TO CENTROID: 0.078

HORZ SPREAD: 1.208

VERT SPREAD: 1.937

GROUP SPREAD: 2.099

MIN RADIUS: 0.140

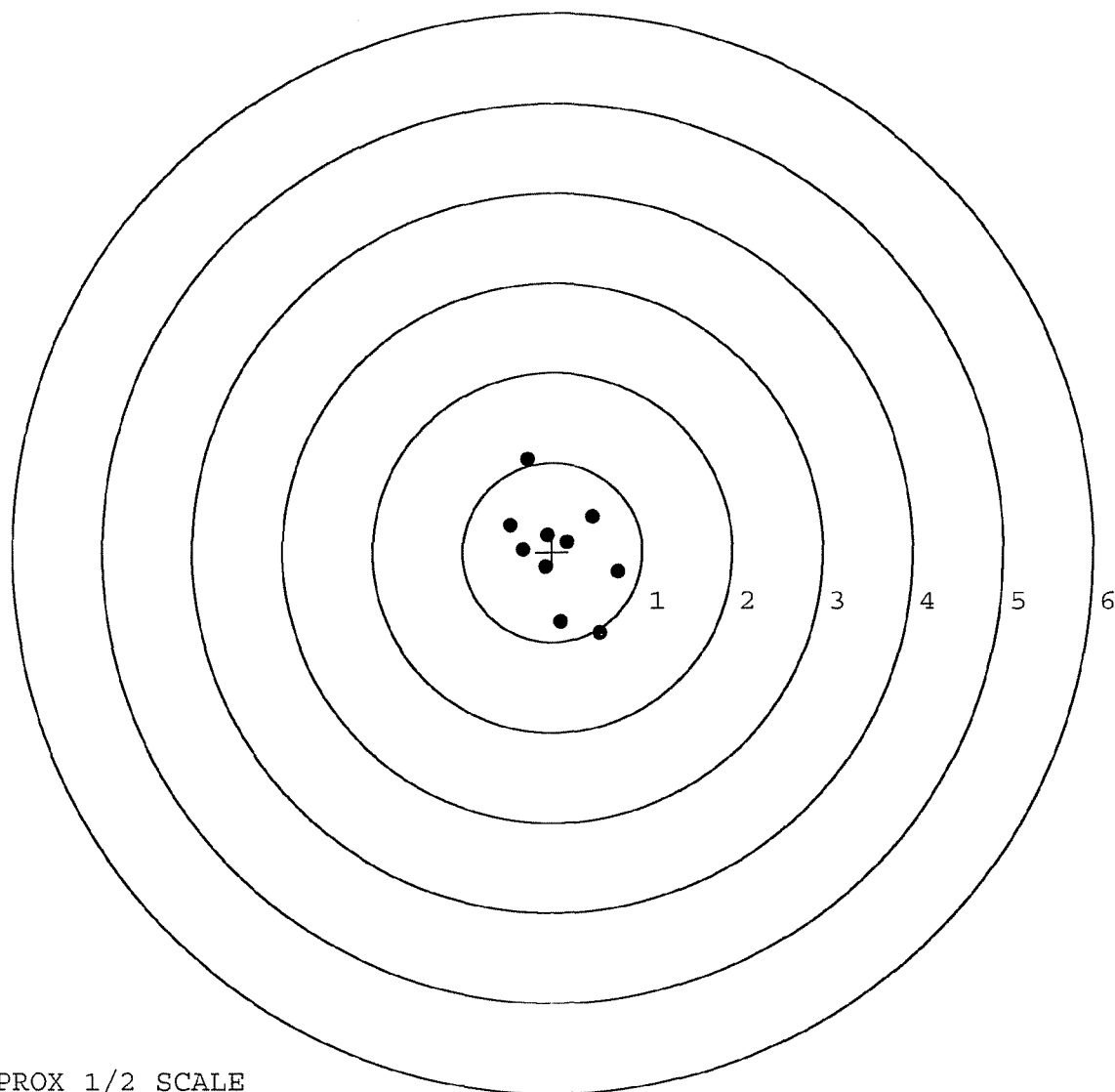
MAX RADIUS: 1.097

MEAN RADIUS: 0.576

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



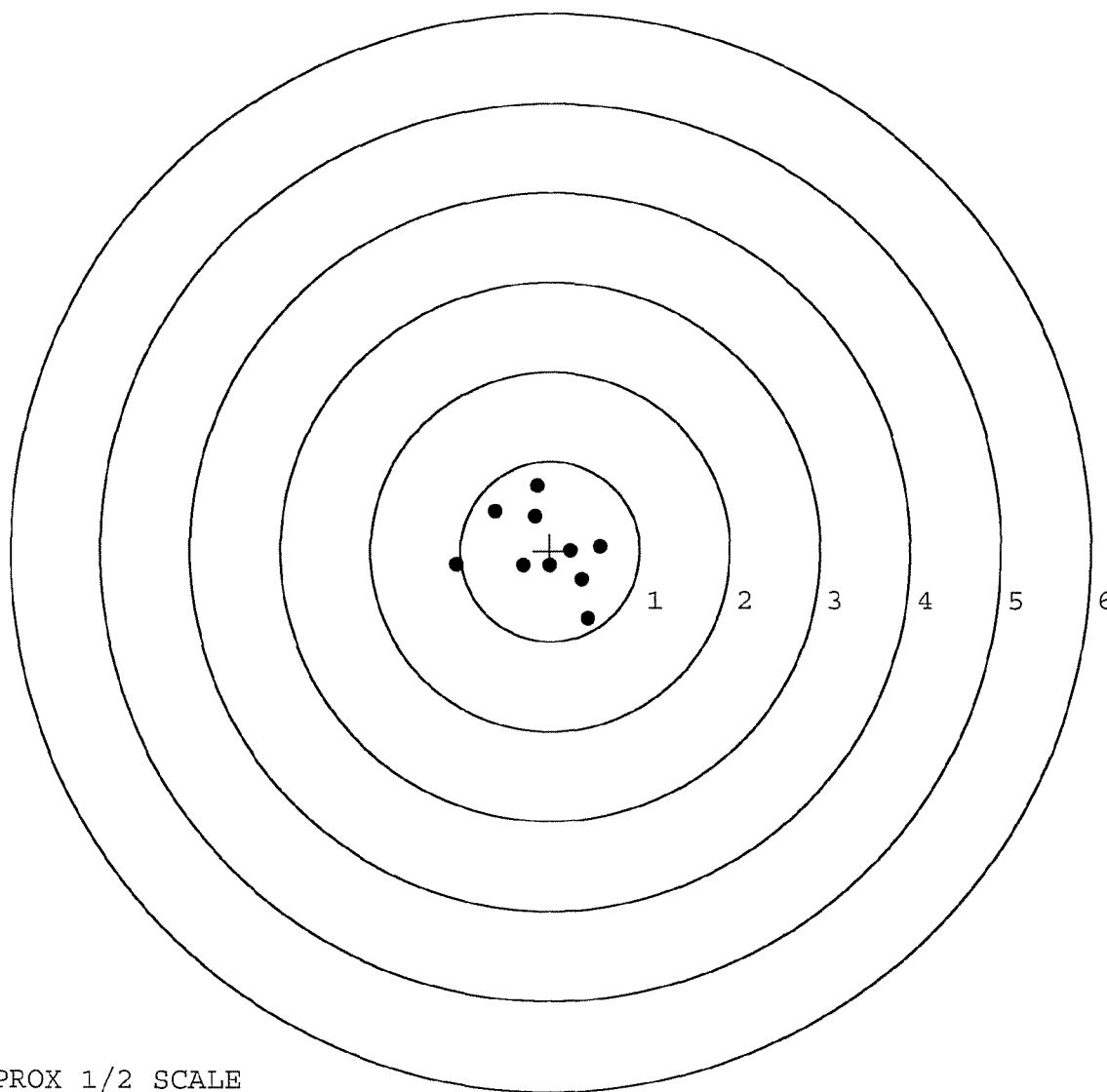
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. __0
TARGET NUMBER: 5
FILE DATE: 12/12/2001
FILE TIME: 04:25

X CENTROID: -0.070
Y CENTROID: 0.004
POA TO CENTROID: 0.070
HORZ SPREAD: 1.604
VERT SPREAD: 1.473
GROUP SPREAD: 1.617
MIN RADIUS: 0.180
MAX RADIUS: 0.987
MEAN RADIUS: 0.562

POINT#	X	Y
1:	-0.144	0.721
2:	-0.167	0.382
3:	-0.615	0.440
4:	-1.044	-0.156
5:	-0.294	-0.166
6:	0.421	-0.752
7:	0.560	0.048
8:	0.229	-0.002
9:	0.000	-0.162
10:	0.354	-0.318

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6522163

ORDER NO.
5716

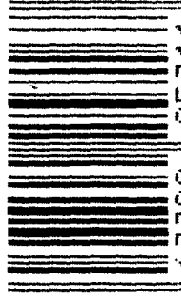
20

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



5716 C6522163

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522163

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	KS
600	Proof		10/1/90	KS
607	Check Headspace		10/1/90	KS
610	Dis-assemble Gun		10/1/90	KS
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/3/90	KS
617	Drill and Tap Sight Holes		10/4/90	FB
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		11/8/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1-18-91	JL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/4	5 1/4	5 1/4			11/18/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 1/2			4/18/91	WB
	H) Trigger Pull Test & Retainability						1-18-91 11-18-90	JK
	I) Firing Pin Indent	.0215	.0215	.022			4/18/91	WB
	J) Assemble Stock						4/12/90	KJ
	K) Assemble Swivel Studs						2-4-91	AC
	L) Attach Front and Rear Sight Assemblies						4/12/90	KJ
	M) Iron Sight Alignment						4/12/90	KJ
	N) Detach Front & Rear Sights & place in numbered container						4/12/90	KJ
	O) Attach Scope to Rifle						4/12/90	KJ
	P) Detach & Attach Scope 20 Times						4/12/90	KJ
640	Gallery Target & Test						11-13-90	AC
	A) Time						11-13-90	AC
	B) Malfunctions						11-13-90	AC
	C) Pierced Primers						11-13-90	AC
	D) Optical Clarity of Scope						11-13-90	AC
645	Inspect for Live Ammo						11-13-90	AC
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.28	2.10	2.38	2.34	2.37	1-22-91	JK
	C) Function						2-4-91	AC
660	Pack						3/15/91	WB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO C6522163

DATE 1-18-91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.47	2.32	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.20	2.23	2.10	
PULL #3	2.48	2.31	2.33	2.38	
PULL #4	2.23	2.19	2.20	2.34	
PULL #5	2.51	2.14	2.25	2.37	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.47		
PULL #2	3.41	3.44		
PULL #3	3.46	3.44		
PULL #4	3.45	3.41		
PULL #5	3.46	3.51		
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	4.17		4.27
PULL #2	4.27	4.22		4.15
PULL #3	4.24	4.26		4.25
PULL #4	4.24	4.27		4.23
PULL #5	4.17	4.28		4.26
TOTAL	2			
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522163
22 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.319215
1 TO	2	.453813
1 TO	3	.326216
1 TO	4	.351889
1 TO	5	.444245

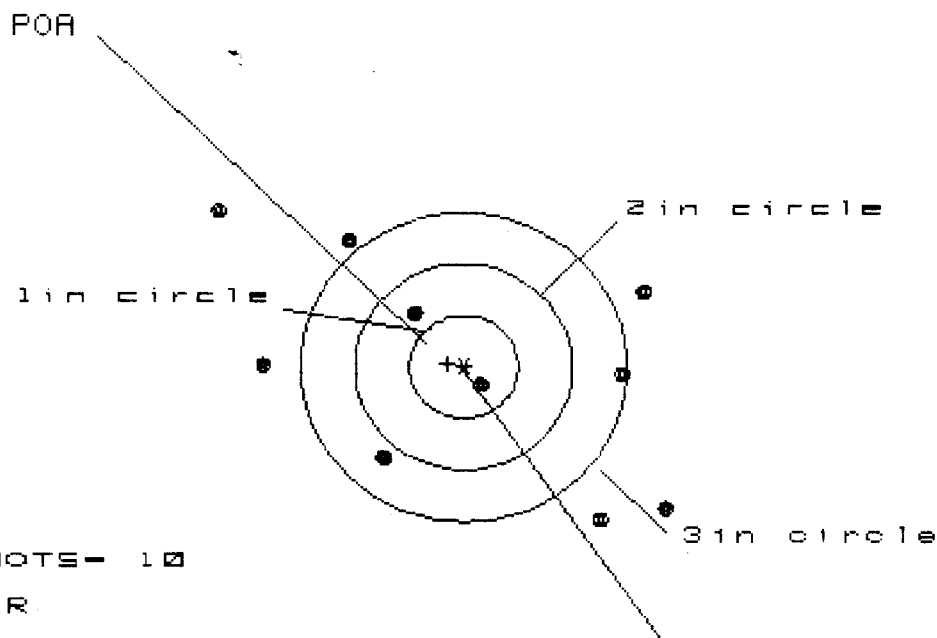
1 $\frac{5}{4}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.01
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.017
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0197231
THE AMR FOR THIS RIFLE IS: 1.205

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06522163

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 4

HS= 4.157

VS= 3.046

GS= 5.107

CENTROID *

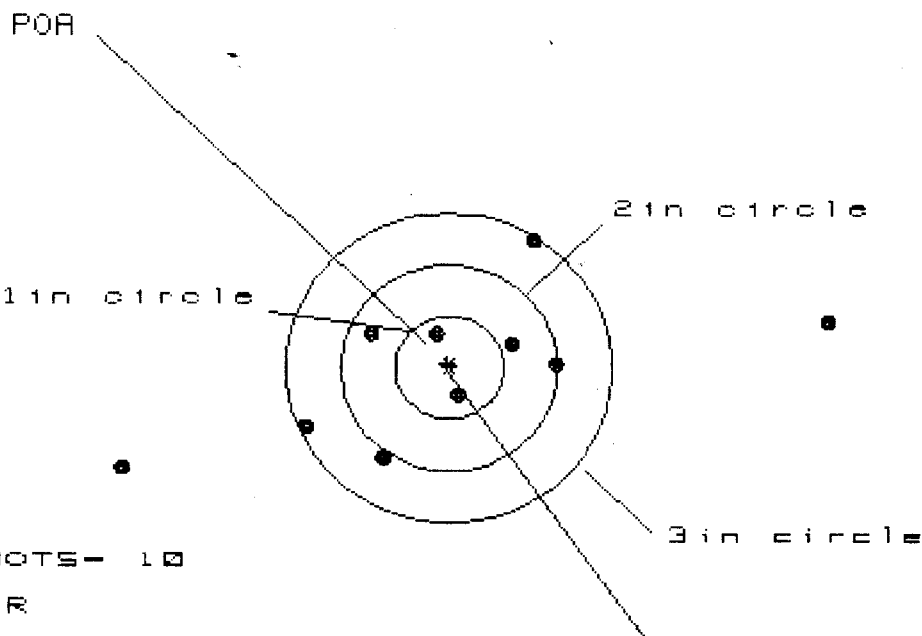
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.885	1.633	1.629
MINIMUM X	:	-2.272	-2.085	-1.881
MAXIMUM Y	:	1.557	1.430	1.276
MINIMUM Y	:	-1.489	-1.316	-1.470
CENTROID X	:	.148	.400	.196
CENTROID Y	:	-.028	-.201	-.047
POA TO CENTROID in.	:	.150	.448	.201
MIN RADIUS	:	.235	.134	.197
MEAN RADIUS	:	1.589	1.440	1.346
MAX RADIUS	:	2.754	2.092	1.881
HORIZONTAL SPREAD	:	4.157	3.718	3.510
VERTICAL SPREAD	:	3.046	2.746	2.746
EXTREME SPREAD	:	5.107	3.975	3.587
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	2		
NUMBER IN THREE INCH CIRCLE	=	4		

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CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 6.504

VS= 2.217

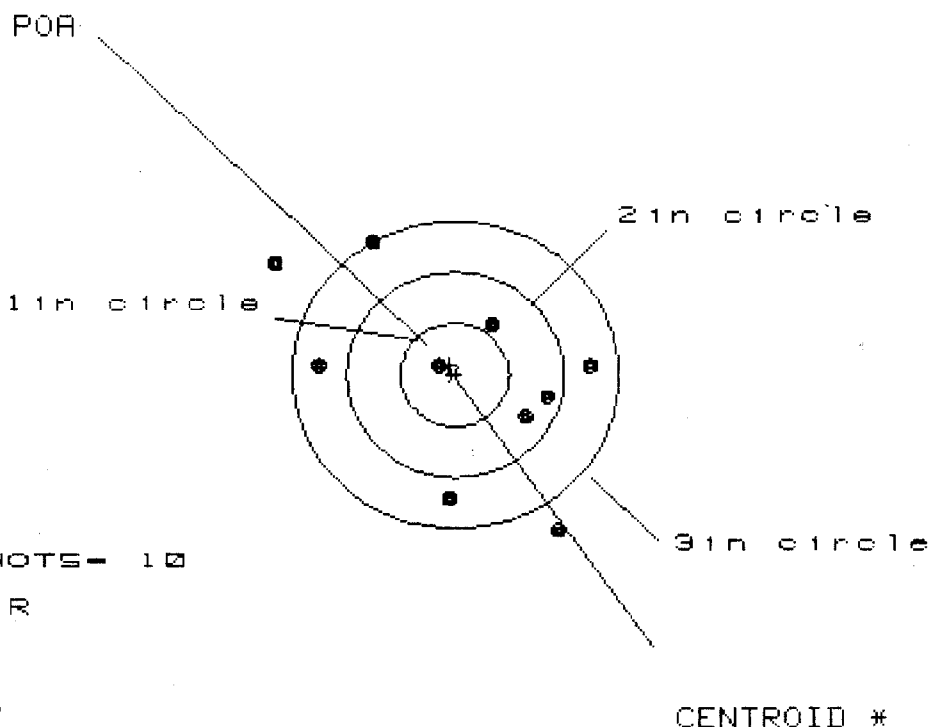
GS= 6.658

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	3.447	1.399	1.065
MINIMUM X	:	-3.057	-2.674	-1.246
MAXIMUM Y	:	1.245	1.295	1.180
MINIMUM Y	:	-.972	-.922	-.933
CENTROID X	:	.019	-.364	-.030
CENTROID Y	:	-.036	-.086	.029
POA TO CENTROID in.	:	.041	.374	.042
MIN RADIUS	:	.253	.454	.265
MEAN RADIUS	:	1.366	1.147	.870
MAX RADIUS	:	3.477	2.828	1.424
HORIZONTAL SPREAD	:	6.504	4.073	2.311
VERTICAL SPREAD	:	2.217	2.217	2.113
EXTREME SPREAD	:	6.658	4.404	2.725
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.905

VS= 2.757

GS= 3.653

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.262	1.080	1.175
MINIMUM X	-1.643	-1.418	-1.323
MAXIMUM Y	1.295	1.419	1.252
MINIMUM Y	-1.462	-1.338	-1.207
CENTROID X	.054	.236	.142
CENTROID Y	-.092	-.216	-.049
POA TO CENTROID in.	.106	.320	.150
MIN RADIUS	.212	.431	.285
MEAN RADIUS	1.129	1.010	.937
MAX RADIUS	1.989	1.721	1.530
HORIZONTAL SPREAD	2.905	2.498	2.498
VERTICAL SPREAD	2.757	2.757	2.459
EXTREME SPREAD	3.653	3.255	2.555
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

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FILE: PATTERNING/CENTERFIRE_PATT/C6522163

CENTERFIRE PATTERNS

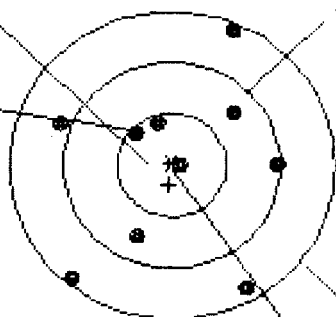
4

POR

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in - 3

2in - 5

3in - 10

HS- 1.939

VS- 2.545

GS- 2.840

CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.934	.826	.883
MINIMUM X	:	-1.004	-1.113	-1.056
MAXIMUM Y	:	1.310	1.190	.549
MINIMUM Y	:	-1.235	-1.355	-1.206
CENTROID X	:	.026	.135	.078
CENTROID Y	:	.188	.308	.159
POR TO CENTROID in.	:	.190	.336	.177
MIN RADIUS	:	.079	.147	.025
MEAN RADIUS	:	.891	.816	.752
MAX RADIUS	:	1.453	1.466	1.354
HORIZONTAL SPREAD	:	1.939	1.939	1.939
VERTICAL SPREAD	:	2.545	2.545	1.755
EXTREME SPREAD	:	2.840	2.547	2.317
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	6		

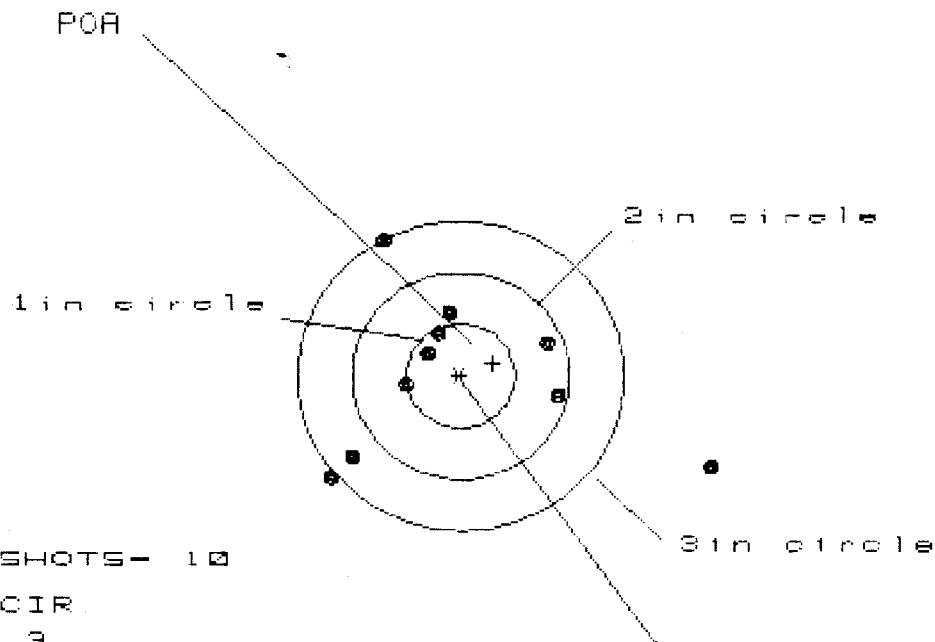
NUMBER IN THREE INCH CIRCLE =

10

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 3.537

VS= 2.235

GS= 3.740

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.329	1.199	1.080
MINIMUM X	-1.208	-.949	-.826
MAXIMUM Y	1.298	1.203	1.074
MINIMUM Y	-.937	-1.032	-1.000
CENTROID X	-.297	-.556	-.437
CENTROID Y	-.117	-.022	.107
POA TO CENTROID in.	.319	.556	.450
MIN RADIUS	.392	.129	.171
MEAN RADIUS	1.049	.818	.730
MAX RADIUS	2.481	1.402	1.297
HORIZONTAL SPREAD	3.537	2.148	1.906
VERTICAL SPREAD	2.235	2.235	2.074
EXTREME SPREAD	3.740	2.357	2.208
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		