

C6611542

MODEL 700TM M24

Model **SAS**TM

Action

Barrel Length

Capacity

Order No. **5715**

* 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: RE00146518

Serial: C6611542 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 6/17/2008 9:53:43 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT

DEF DIST DEPOT

Address 1: 7 FRANKFORD AVE BLDG 362

7 FRANKFORD AVE BLDG 362

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201

Country: US

State: AL

Zip Code: 36201

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
A017	Scope Base	1
A026	Scope	1
A045	BiPod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

6/17/2008

10:51 AM

CAPS

NUM

INS

SCRL

start

10 M

My ...

4 M

Par...

Ar...

Cre...

My...

10:51 AM

Number: C6611542

Model: M24 SWS



RE00146518

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER

146518-

SERIAL NUMBER

C6611542

LOG-IN DATE

6-17-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-14-09	RTZ
505	RE-BARREL	7-16-09	RTZ
420	ASSEMBLE	7-16-09	RTZ
440	PROOF	7-16-09	RP
460	CHECK HEADSPACE	7-16-09	RP
470	DIS-ASSEMBLE GUN	7-16-09	RP
480	MAGNAFLUX	7-18-09	RP
510	DRILL AND TAP	7-17-09	SP
500	ROLLMARK CALIBER	7-21-09	DWJ
520	GOFF BLAST BBL / REC	7-21-09	WV
530 & 540	APPLY COATINGS	7-28	-
560	FINAL ASSEMBLY	7-30-09	RTZ
640	FUNCTION TEST AND	8/5/09	RP
650	TARGET	8/5/09	RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	8-5-09	RP
	A) HEADSPACE	8-17-09	RP
	B) TRIGGER PULL	260 263 259 257 262 8-7-09	RP
680	F) SAFETY ON FORCE	2.4 2.4 2.4 8-17-09	RP
	G) SAFETY OFF FORCE	40 40 38 8-17-09	RP
	I) FIRING PIN INDENT	.027 .027 .027 8-17-09	RP
690	PACK	9/12/09	Fy

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611542.___0
FILE DATE AND TIME: 08/07/2009 07:24

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.043
The Average Y Centroid of the Five Target Set:	-0.020
The Average Point of Impact of the Five Target Set:	0.047
The Average Mean Radius of the Five Target Set:	0.536
The Distance from POA to Centroid Target #1:	0.147
The Distance from Centroid Target #2 to Centroid Target #1:	0.187
The Distance from Centroid Target #3 to Centroid Target #1:	0.242
The Distance from Centroid Target #4 to Centroid Target #1:	0.212
The Distance from Centroid Target #5 to Centroid Target #1:	0.112

SERIAL NUMBER: C6611542. __0

TARGET NUMBER: 1

FILE DATE: 08/07/2009

FILE TIME: 07:24

X CENTROID: 0.099

Y CENTROID: 0.109

POA TO CENTROID: 0.147

HORZ SPREAD: 1.696

VERT SPREAD: 1.929

GROUP SPREAD: 2.305

MIN RADIUS: 0.115

MAX RADIUS: 1.621

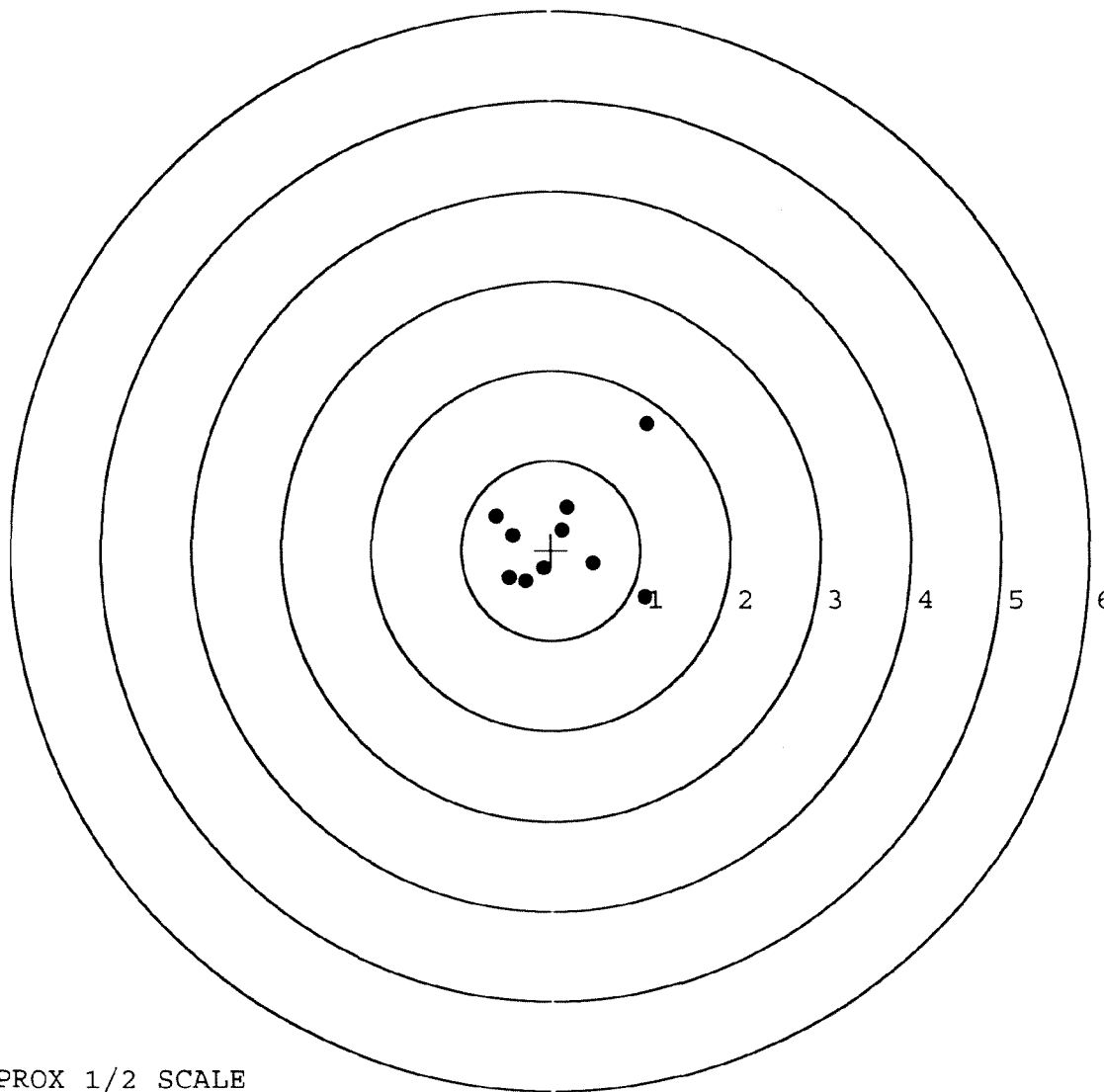
MEAN RADIUS: 0.668

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.076	1.402
2:	1.050	-0.527
3:	0.472	-0.152
4:	0.174	0.474
5:	0.117	0.223
6:	-0.620	0.375
7:	-0.436	0.162
8:	-0.086	-0.205
9:	-0.469	-0.308
10:	-0.292	-0.350

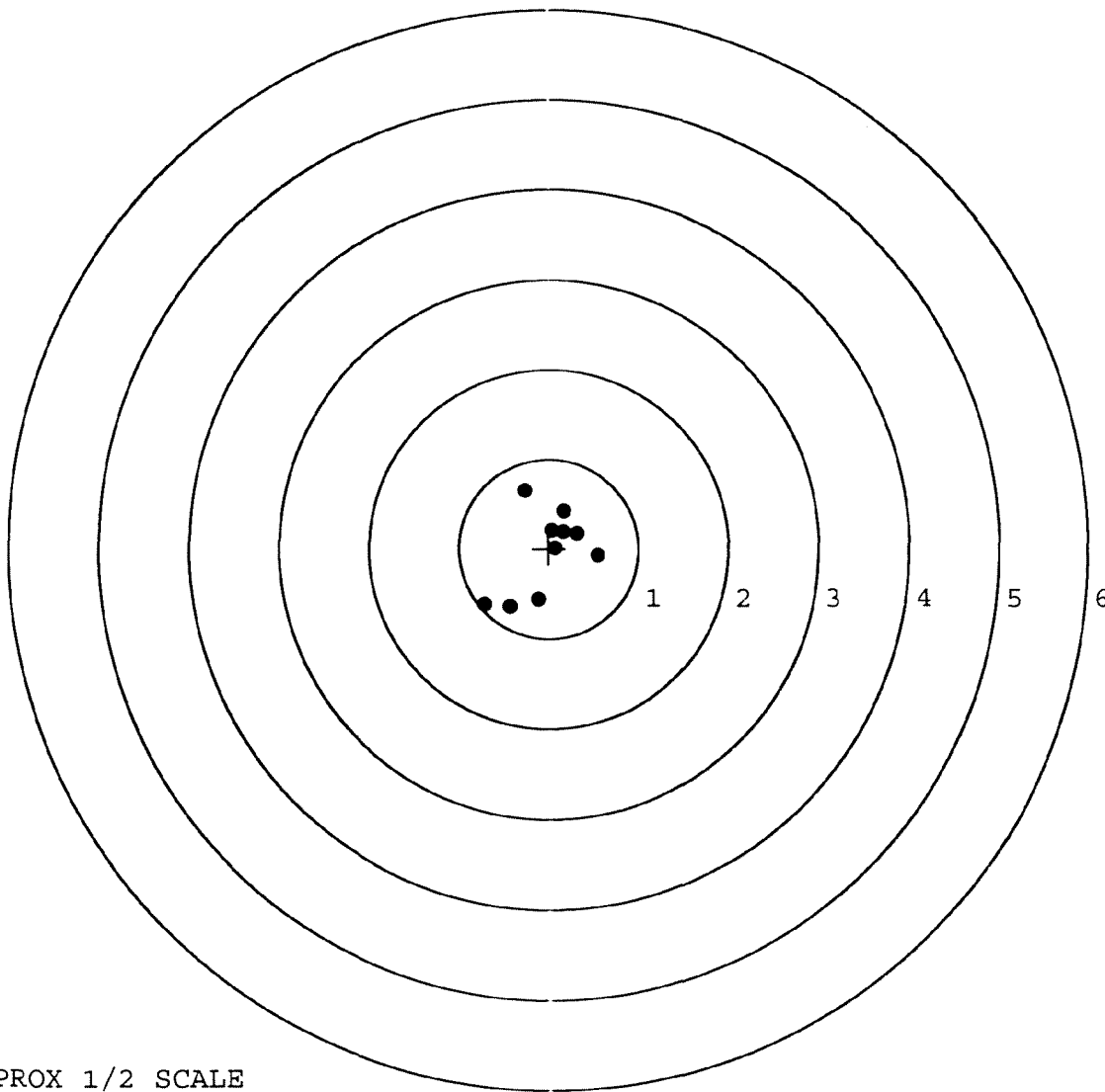


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611542. __0
TARGET NUMBER: 2
FILE DATE: 08/07/2009
FILE TIME: 07:24

X CENTROID: -0.025
Y CENTROID: -0.031
POA TO CENTROID: 0.040
HORZ SPREAD: 1.272
VERT SPREAD: 1.304
GROUP SPREAD: 1.382
MIN RADIUS: 0.098
MAX RADIUS: 0.912
MEAN RADIUS: 0.503
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.719	-0.622
2:	-0.436	-0.653
3:	-0.123	-0.573
4:	-0.277	0.651
5:	0.553	-0.081
6:	0.070	-0.005
7:	0.034	0.200
8:	0.166	0.420
9:	0.317	0.169
10:	0.165	0.188



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611542. 0

TARGET NUMBER: 3

FILE DATE: 08/07/2009

FILE TIME: 07:24

X CENTROID: 0.100

Y CENTROID: -0.133

POA TO CENTROID: 0.166

HORZ SPREAD: 0.810

VERT SPREAD: 1.903

GROUP SPREAD: 1.938

MIN RADIUS: 0.063

MAX RADIUS: 1.070

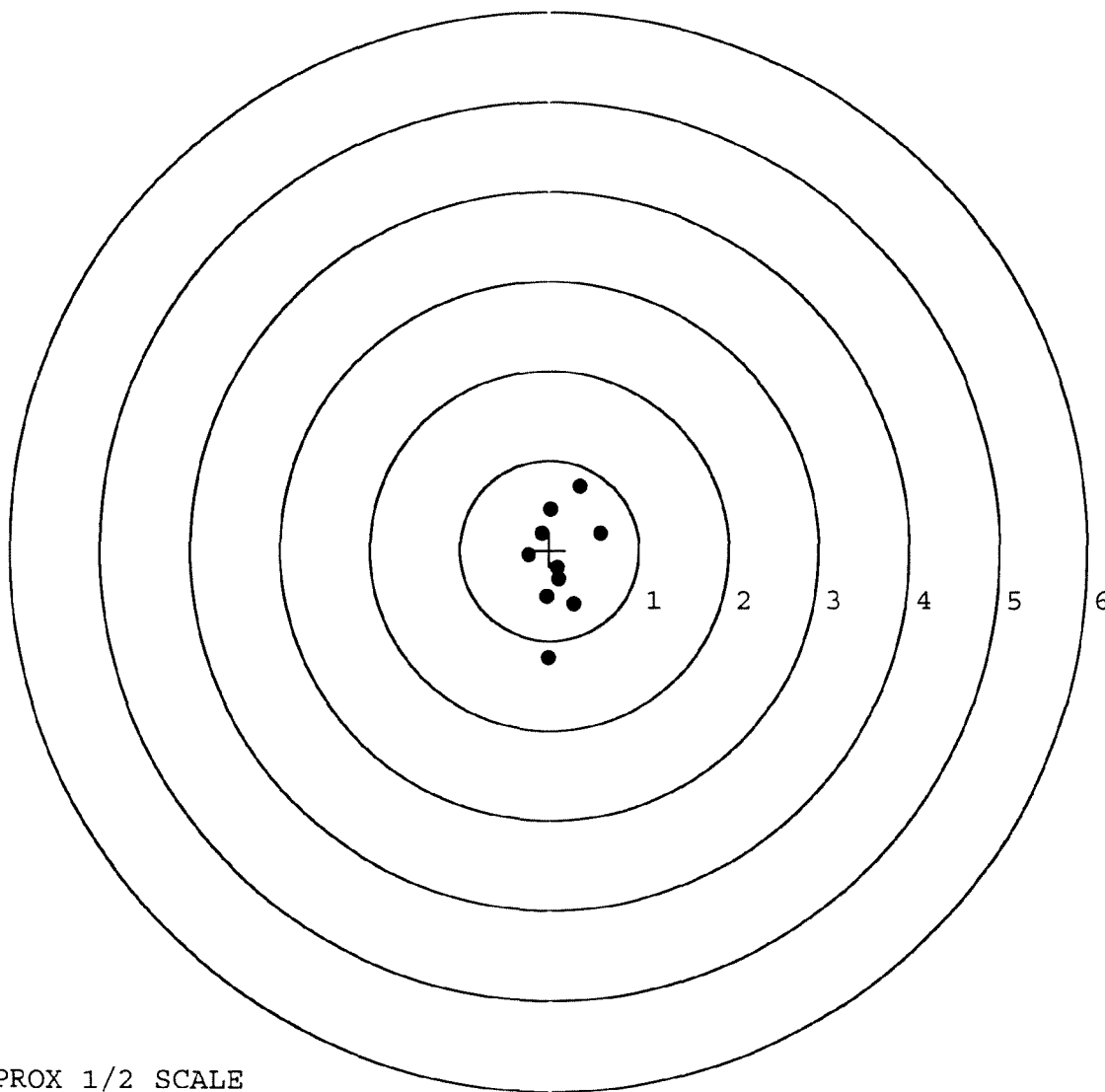
MEAN RADIUS: 0.498

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.025	-1.195
2:	0.340	0.708
3:	0.571	0.193
4:	0.269	-0.597
5:	-0.035	-0.515
6:	0.089	-0.195
7:	-0.239	-0.054
8:	-0.081	0.191
9:	0.007	0.458
10:	0.104	-0.321



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611542.___0

TARGET NUMBER: 4

FILE DATE: 08/07/2009

FILE TIME: 07:24

X CENTROID: 0.035

Y CENTROID: -0.093

POA TO CENTROID: 0.099

HORZ SPREAD: 1.170

VERT SPREAD: 1.352

GROUP SPREAD: 1.540

MIN RADIUS: 0.166

MAX RADIUS: 0.905

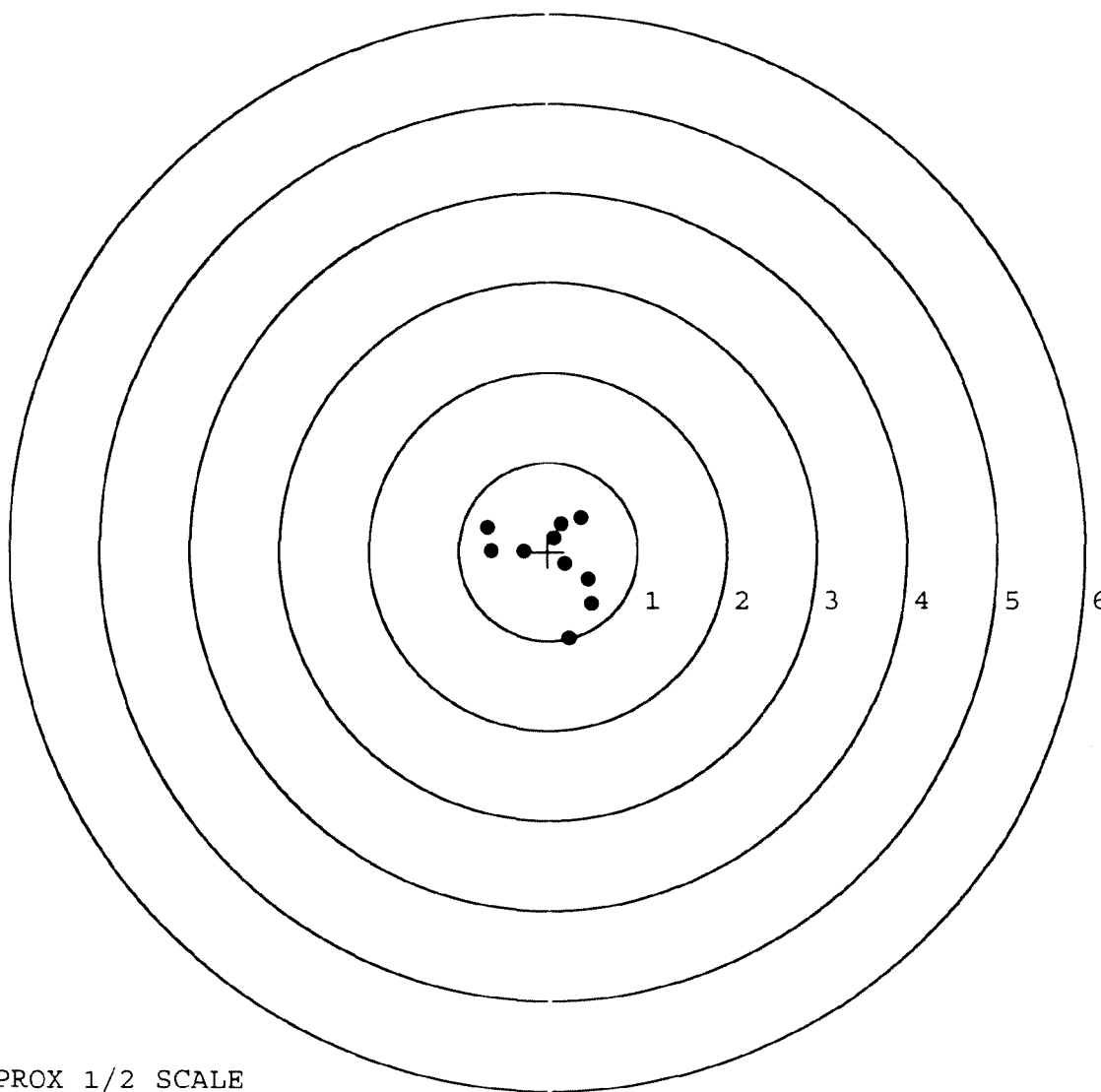
MEAN RADIUS: 0.525

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.230	-0.977
2:	0.486	-0.587
3:	0.449	-0.319
4:	0.193	-0.145
5:	0.364	0.375
6:	0.153	0.313
7:	-0.684	0.263
8:	-0.638	0.004
9:	-0.274	-0.004
10:	0.070	0.148

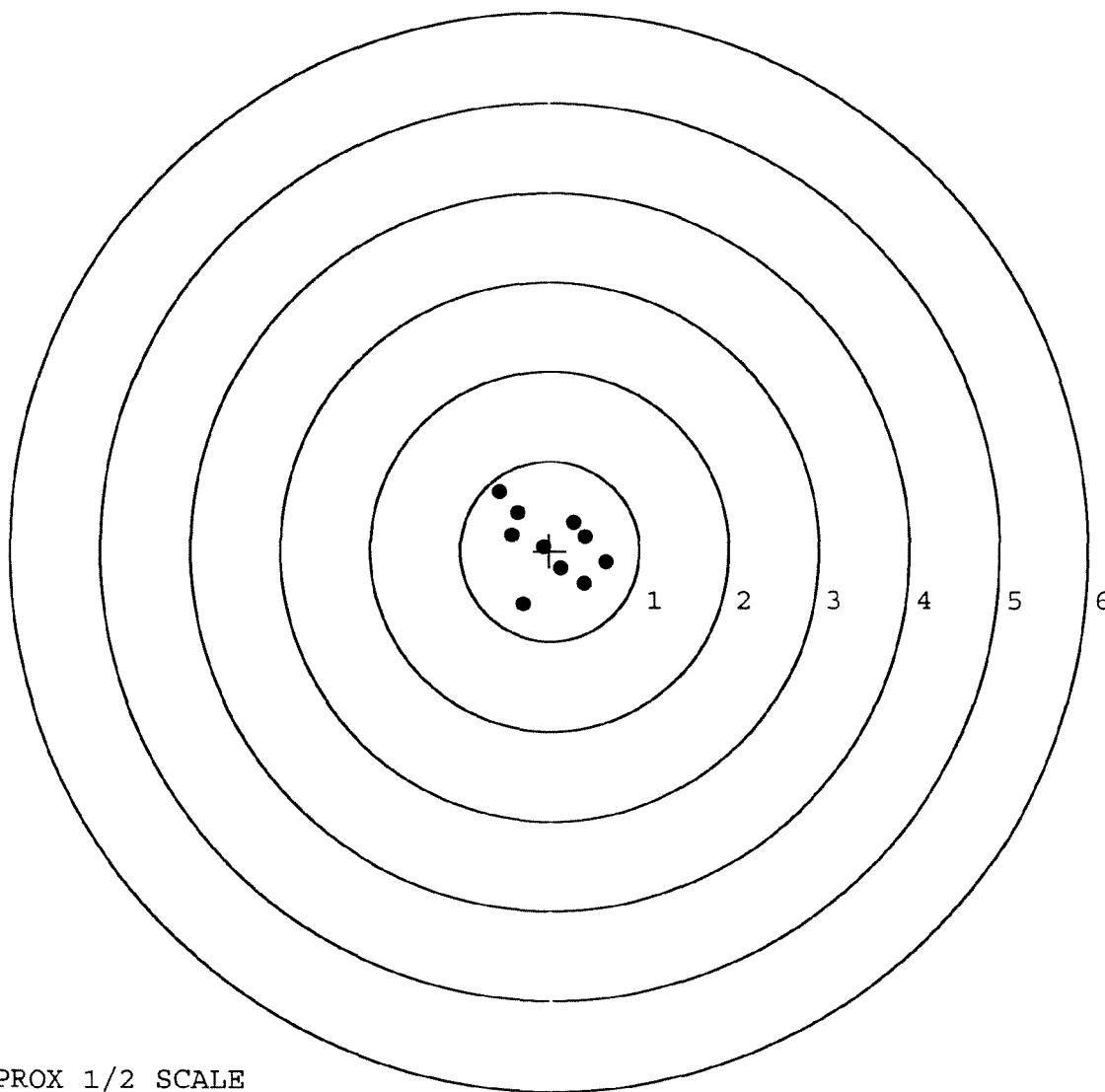


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611542. __0
TARGET NUMBER: 5
FILE DATE: 08/07/2009
FILE TIME: 07:24

X CENTROID: 0.006
Y CENTROID: 0.046
POA TO CENTROID: 0.047
HORZ SPREAD: 1.196
VERT SPREAD: 1.243
GROUP SPREAD: 1.427
MIN RADIUS: 0.078
MAX RADIUS: 0.830
MEAN RADIUS: 0.486
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.566	0.648
2:	-0.361	0.417
3:	-0.431	0.168
4:	0.266	0.319
5:	-0.072	0.045
6:	-0.305	-0.595
7:	0.630	-0.130
8:	0.121	-0.194
9:	0.384	-0.373
10:	0.393	0.159



TARGET APPROX 1/2 SCALE

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSP Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00093002** Serial: **C6611542** Model: **M24 SWS** Center Fire
 Caliber: **7.62 NATO** Produced: **06/18/1991** Repairman:
 Status: **Closed 2/11/2005 7:32:02 AM**

Verify Repair:

Address Information

Customer: ☒ Received From ☐ Return To ☐ Received From

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**

Address 1:

Address 2:

City: **ANNISTON** **ANNISTON**

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

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good:

Condition Notes:

CSP Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A025	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search **Refresh** **Close**

Taget: 2/14/2005 9:11AM FCAPS NUM INS SCPL

start 5 2 3 Arms Service

Serial Number: **C6611542**

Model: **M24 SWS**



RE00093002

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611542.___0
FILE DATE AND TIME: 02/23/2005 07:33

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.028
The Average Y Centroid of the Five Target Set:	-0.055
The Average Point of Impact of the Five Target Set:	0.061
The Average Mean Radius of the Five Target Set:	0.700
The Distance from POA to Centroid Target #1:	0.305
The Distance from Centroid Target #2 to Centroid Target #1:	0.328
The Distance from Centroid Target #3 to Centroid Target #1:	0.361
The Distance from Centroid Target #4 to Centroid Target #1:	0.502
The Distance from Centroid Target #5 to Centroid Target #1:	0.531

SERIAL NUMBER: C6611542. 0

TARGET NUMBER: 1

FILE DATE: 02/23/2005

FILE TIME: 07:33

POINT#	X	Y
1:	1.417	0.316
2:	0.930	-0.018
3:	-0.235	0.731
4:	-0.636	0.448
5:	-1.220	1.292
6:	-0.440	0.110
7:	-0.343	-0.174
8:	-0.096	-0.353
9:	-0.775	0.295
10:	-0.142	-0.009

X CENTROID: -0.154

Y CENTROID: 0.264

POA TO CENTROID: 0.305

HORZ SPREAD: 2.637

VERT SPREAD: 1.645

GROUP SPREAD: 2.812

MIN RADIUS: 0.273

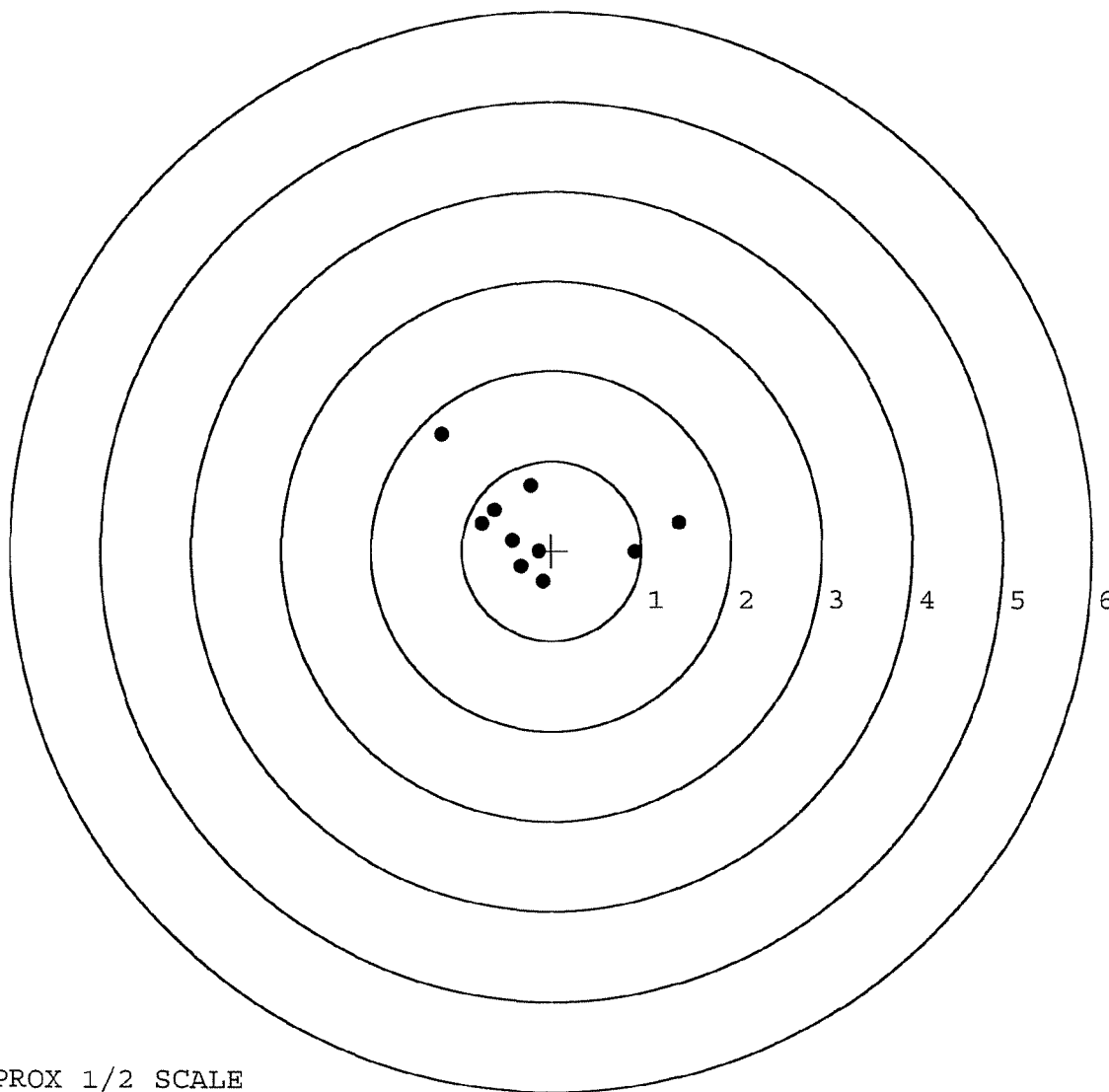
MAX RADIUS: 1.572

MEAN RADIUS: 0.748

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611542. __0

TARGET NUMBER: 2

FILE DATE: 02/23/2005

FILE TIME: 07:33

X CENTROID: 0.012

Y CENTROID: -0.019

POA TO CENTROID: 0.023

HORZ SPREAD: 1.818

VERT SPREAD: 1.073

GROUP SPREAD: 1.813

MIN RADIUS: 0.218

MAX RADIUS: 1.005

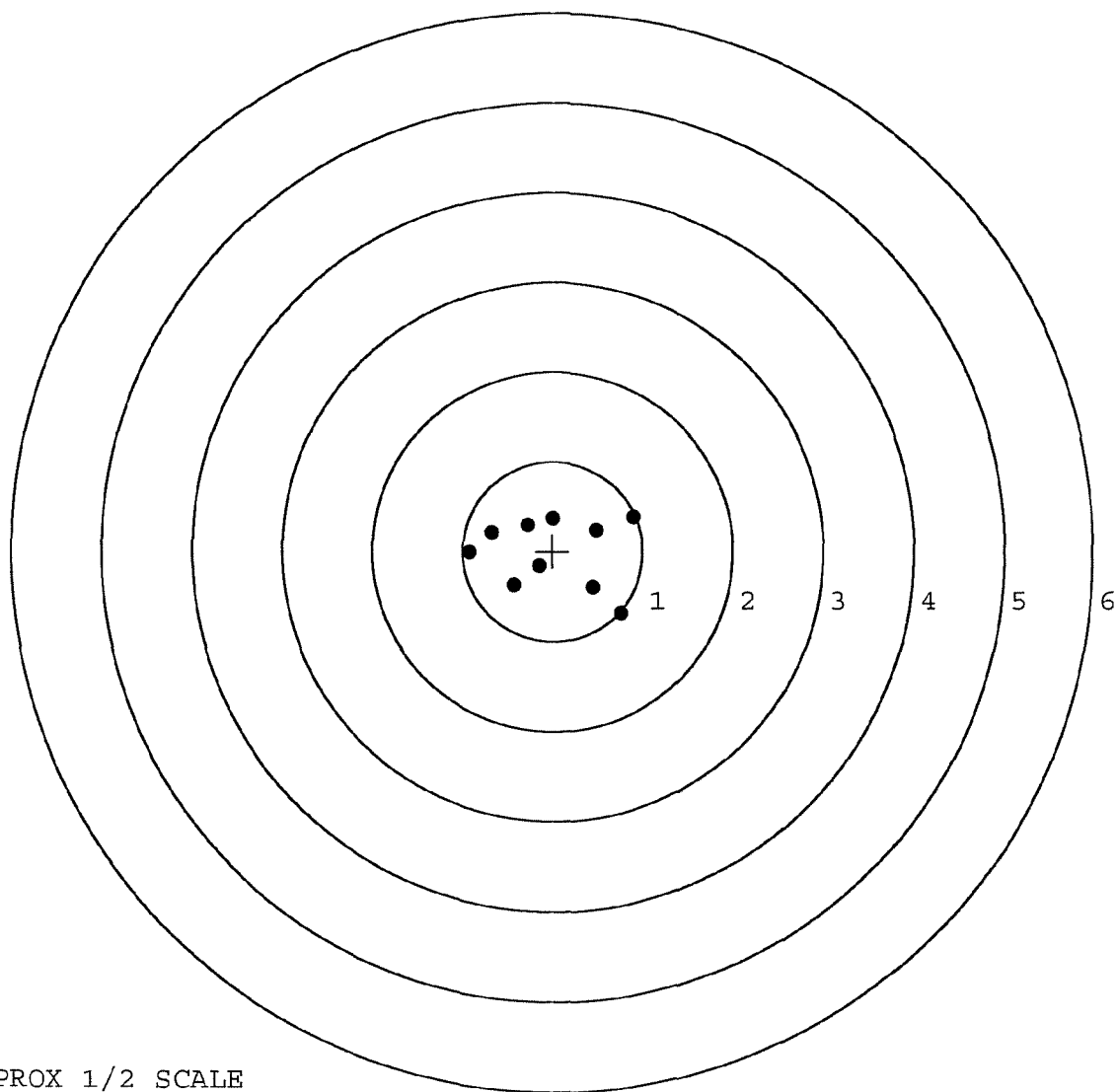
MEAN RADIUS: 0.637

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.758	-0.692
2:	0.453	-0.405
3:	0.894	0.381
4:	0.485	0.234
5:	0.004	0.364
6:	-0.147	-0.169
7:	-0.434	-0.385
8:	-0.924	-0.016
9:	-0.685	0.207
10:	-0.285	0.290

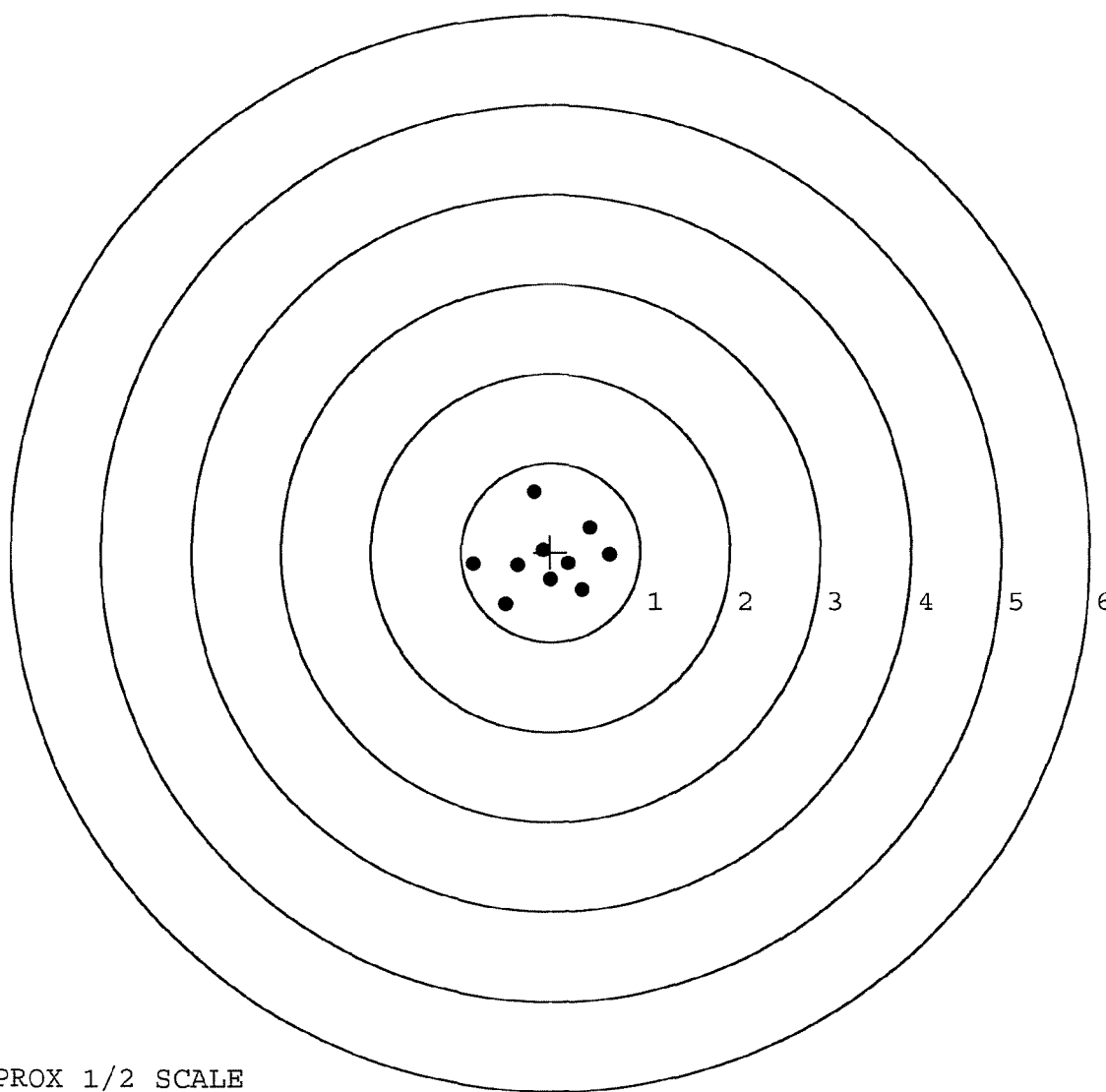


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611542. __0
TARGET NUMBER: 3
FILE DATE: 02/23/2005
FILE TIME: 07:33

X CENTROID: -0.035
Y CENTROID: -0.077
POA TO CENTROID: 0.085
HORZ SPREAD: 1.522
VERT SPREAD: 1.259
GROUP SPREAD: 1.526
MIN RADIUS: 0.109
MAX RADIUS: 0.829
MEAN RADIUS: 0.501
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.437	0.280
2:	0.660	-0.027
3:	-0.189	0.678
4:	-0.862	-0.138
5:	-0.502	-0.581
6:	0.349	-0.422
7:	0.199	-0.126
8:	0.004	-0.308
9:	-0.084	0.021
10:	-0.367	-0.147



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611542. __0

TARGET NUMBER: 4

FILE DATE: 02/23/2005

FILE TIME: 07:33

POINT#	X	Y
1:	0.551	-1.454
2:	-0.700	-0.713
3:	-0.905	0.450
4:	0.650	-0.254
5:	0.494	-0.390
6:	0.232	-0.299
7:	0.085	-0.123
8:	-0.146	0.211
9:	0.229	0.452
10:	0.108	0.214

X CENTROID: 0.060

Y CENTROID: -0.191

POA TO CENTROID: 0.200

HORZ SPREAD: 1.555

VERT SPREAD: 1.906

GROUP SPREAD: 2.397

MIN RADIUS: 0.072

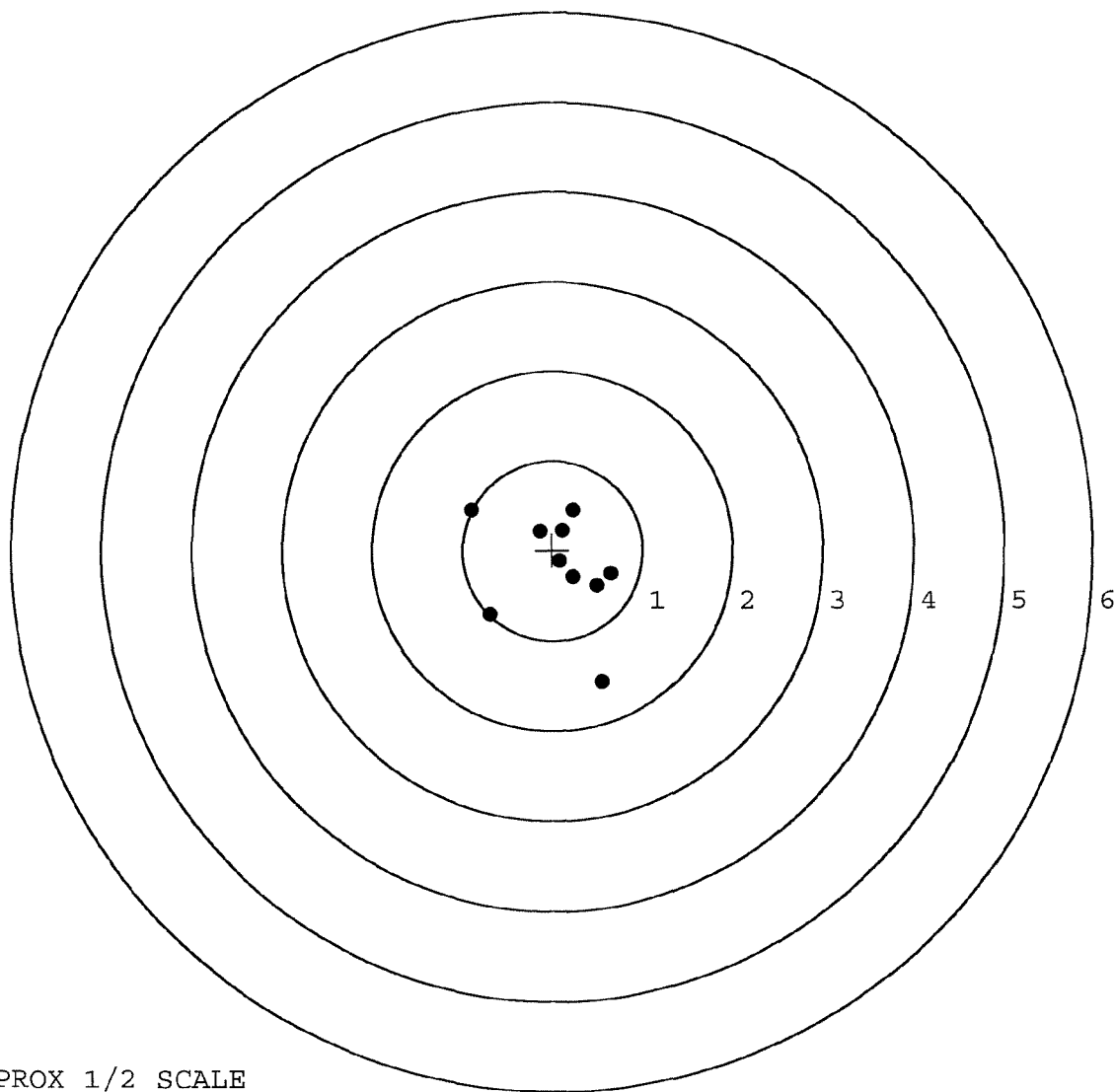
MAX RADIUS: 1.356

MEAN RADIUS: 0.631

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611542. __0

TARGET NUMBER: 5

FILE DATE: 02/23/2005

FILE TIME: 07:33

X CENTROID: -0.021

Y CENTROID: -0.250

POA TO CENTROID: 0.251

HORZ SPREAD: 3.819

VERT SPREAD: 1.154

GROUP SPREAD: 3.827

MIN RADIUS: 0.410

MAX RADIUS: 2.538

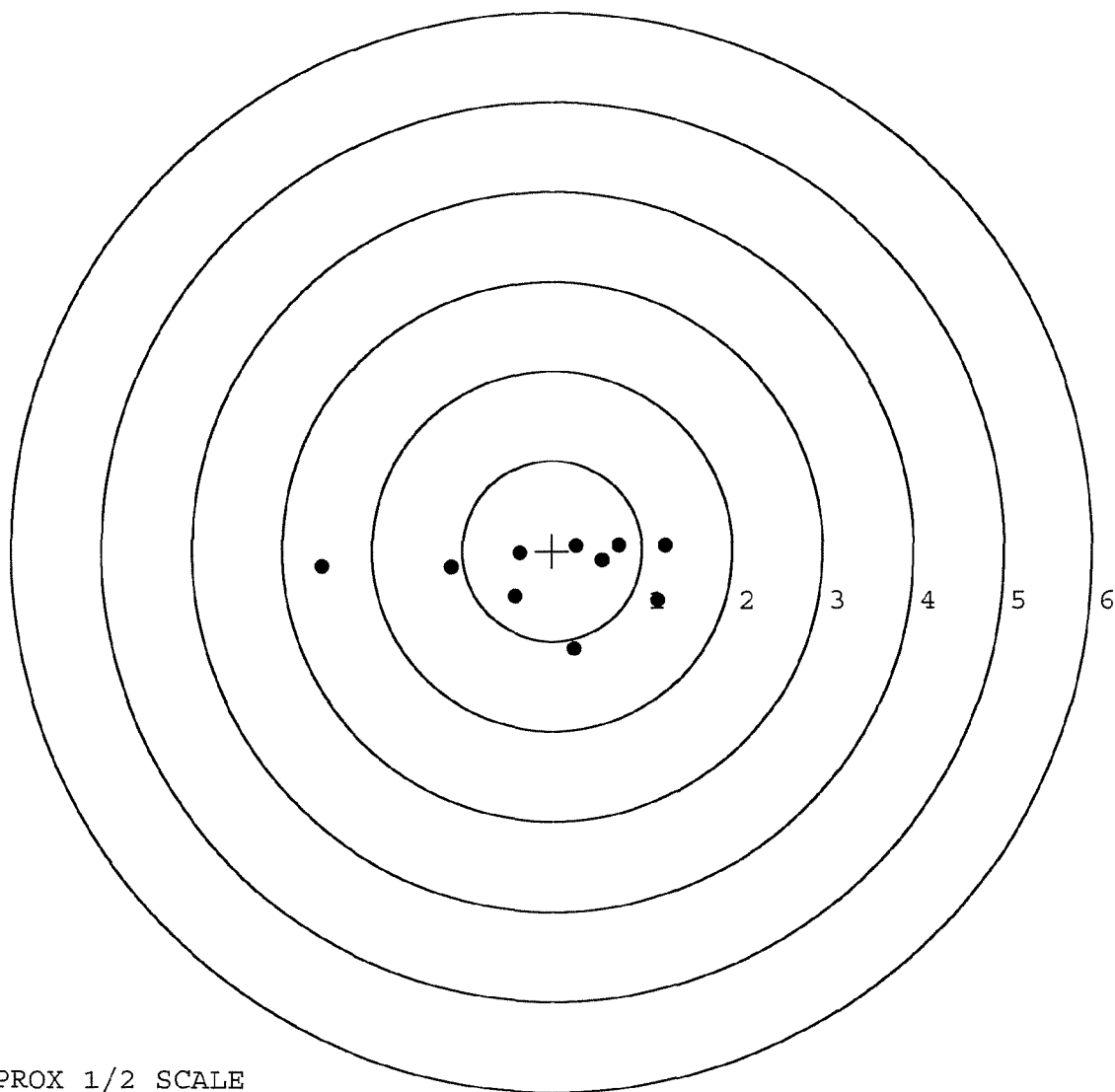
MEAN RADIUS: 0.981

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.176	-0.559
2:	1.260	0.060
3:	0.244	-1.092
4:	-0.415	-0.509
5:	-0.366	-0.028
6:	-1.125	-0.191
7:	-2.559	-0.193
8:	0.744	0.062
9:	0.557	-0.109
10:	0.272	0.056

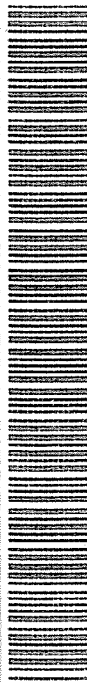


TARGET APPROX 1/2 SCALE

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

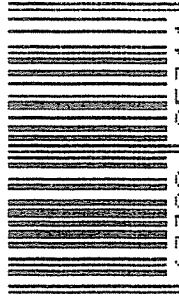
R & E NUMBER	93002				
SERIAL NUMBER	C 10611542				
LOG-IN DATE	2-11-05				
INSPECT AND VERIFY:					
OPERATION #	OPERATION NAME	DATE	INITIAL		
550	DIS-ASSEMBLE GUN	X	X		
560 A	RE-BARREL				
B	DRILL AND TAP				
575	ASSEMBLE				
600	PROOF				
605	CHECK HEADSPACE				
610	DIS-ASSEMBLE GUN				
612	MAGNAFLUX				
615	ROLLMARK CALIBER				
618	ROTO-BLAST				
620	APPLY COATINGS				
625 A	FINAL ASSEMBLY				
B	TRIGGER PULL TEST				
C	SAFETY "ON" FORCE			3-8-05	AC
D	SAFETY "OFF" FORCE			3-8-05	AC
E	FIRING PIN INDENT	3-8-05	AC		
640	TARGET	2-23-05	AC		
655	FINAL INSPECT	3-8-05	AC		
660	PACK	3-12-05	RJA		
		SHIP DATE			
QAR INSPECTION DATE					

Remington® MODEL 700™ M24 MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
REG. U.S. PAT. & TM. OFF.		SERIAL NO. C6611542
20		ORDER NO. 5716



5716 C6611542

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611542

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 25	91	RW
600	Proof	3 25	91	RW
607	Check Headspace	3 25	91	RW
610	Dis-assemble Gun	3 25	91	RW
612	Magnaflux Barrel Action	3 28	91	KR
	Magnaflux Bolt	3 28	91	U
615	Rollmark Caliber	3 28	91	JS
617	Drill and Tap Sight Holes	APR	3 1991	FB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)			TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	RW
	C) Inspect Ejector Hole for Chamfer		4/16/91	RW
	D) Oil Firing Pin Ass'y		4/16/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/6/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/6/91	JH
	G) Safety Off Force	3	3	3			5/6/91	JH
	H) Trigger Pull Test & Retainability						5/6/91	JH
	I) Firing Pin Indent	10215	10215	10215			5/6/91	JH
	J) Assemble Stock						5/7/91	RW
	K) Assemble Swivel Studs						5-10-91	K
	L) Attach Front and Rear Sight Assemblies						5/7/91	RW
	M) Iron Sight Alignment						5/7/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/7/91	RW
	O) Attach Scope to Rifle						5/7/91	RW
	P) Detach & Attach Scope 20 Times						5/7/91	RW
640	Gallery Target & Test						5-7-91	AC
	A) Time						5-7-91	AC
	B) Malfunctions						5-7-91	AC
	C) Pierced Primers						5-7-91	AC
	D) Optical Clarity of Scope						5-7-91	AC
645	Inspect for Live Ammo						5-7-91	AC
655	Final Inspection							
	A) Headspace						5-10-91	K
	B) Trigger Pull	2.34	2.48	2.49	2.49	2.51	5/9/91	JH
	C) Function						5-10-91	K
660	Pack						6-17-91	NE

SWS TRIGGER PULL TEST

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

SERIAL NO. C6611542

DATE 5/6/91

TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.42	2.38	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.41	2.45	2.48	
PULL #3	2.43	2.42	2.40	2.49	
PULL #4	2.41	2.18	2.41	2.49	
PULL #5	2.35	2.40	2.41	2.51	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.62	3.25		
PULL #2	3.49	3.24		
PULL #3	3.50	3.37		
PULL #4	3.34	3.30		
PULL #5	3.26	3.32		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.41		4.47
PULL #2	4.37	4.43		4.40
PULL #3	4.43	4.41		4.14
PULL #4	4.37	4.44		4.46
PULL #5	4.27	4.48		4.47
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611542
7 May 1991

CENTROIDAL DISTANCES

0 TO	1	.194
1 TO	2	.213841
1 TO	3	.284543
1 TO	4	.180624
1 TO	5	.0735935

+ + + + + POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2124
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2548
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .331718
THE AMR FOR THIS RIFLE IS: .998

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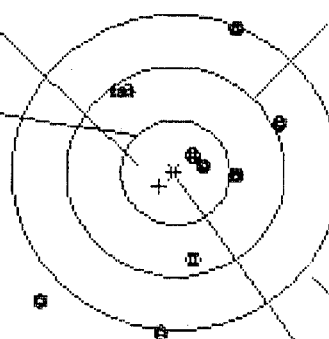
CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle



CENTROID +

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.192

VS= 2.832

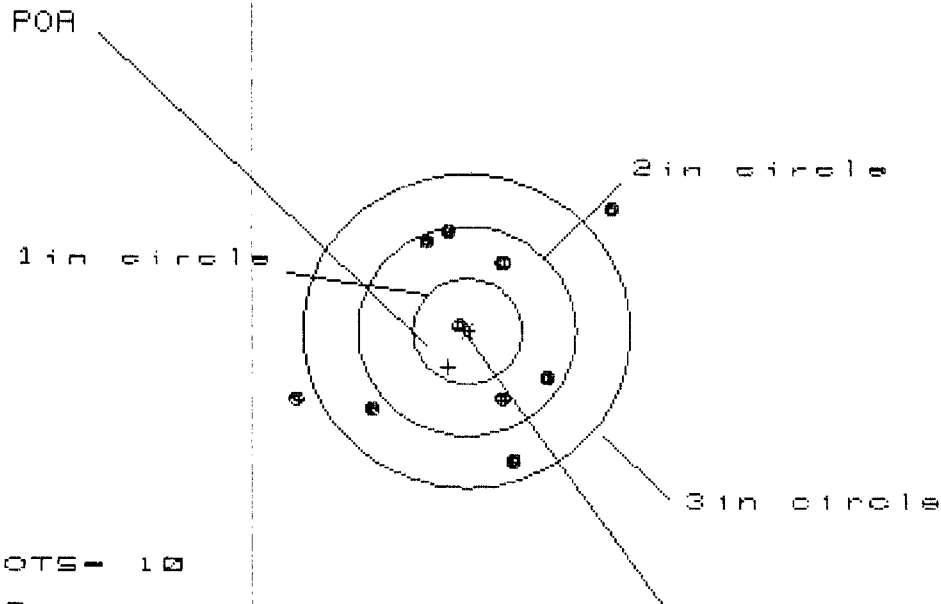
GS= 3.142

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.909	.767	.731
MINIMUM X	-1.283	-.716	-.752
MAXIMUM Y	1.343	1.285	1.002
MINIMUM Y	-1.489	-1.627	-1.154
CENTROID X	.144	.286	.322
CENTROID Y	.130	.268	.471
POA TO CENTROID in.	.194	.392	.571
MIN RADIUS	.228	.062	.158
MEAN RADIUS	.940	.789	.688
MAX RADIUS	1.783	1.652	1.155
HORIZONTAL SPREAD	2.192	1.483	1.483
VERTICAL SPREAD	2.832	2.832	2.156
EXTREME SPREAD	3.142	2.906	2.186
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 9		

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CENTERFIRE PATTERNS # 2



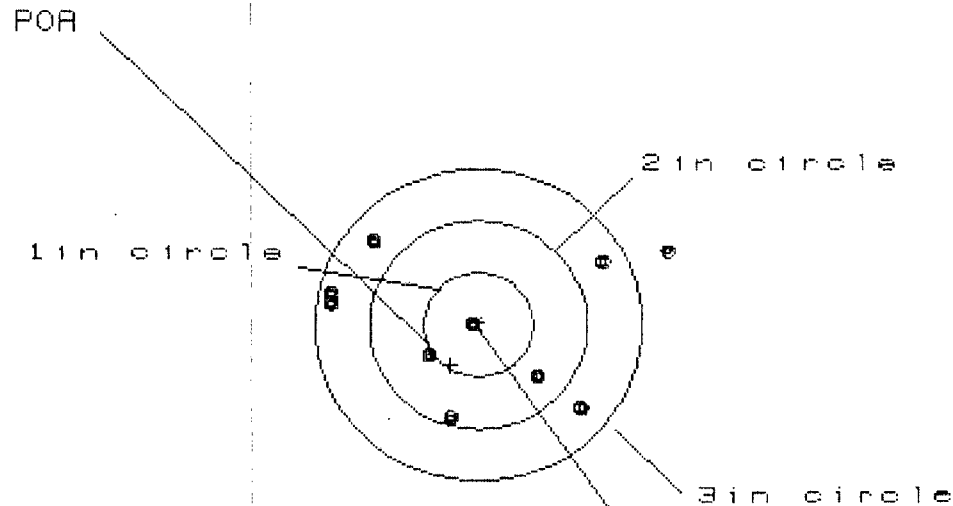
OF SHOTS - 10
 # IN CIR
 1 in = 1
 2 in = 6
 3 in = 8
 IS = 2.868
 VS = 2.311
 GS = 3.347

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.284	.840	.660
MINIMUM X	:	-1.584	-1.441	-.926
MAXIMUM Y	:	1.118	1.082	1.022
MINIMUM Y	:	-1.193	-1.069	-1.129
CENTROID X	:	.172	.029	.209
CENTROID Y	:	.342	.218	.278
POA TO CENTROID in.	:	.382	.219	.348
MIN RADIUS	:	.149	.214	.219
MEAN RADIUS	:	1.014	.945	.847
MAX RADIUS	:	1.703	1.520	1.199
HORIZONTAL SPREAD	:	2.868	2.281	1.586
VERTICAL SPREAD	:	2.311	2.151	2.151
EXTREME SPREAD	:	3.347	2.284	2.232
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 3.157

VS= 1.690

GS= 3.212

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.753	1.356	1.205
MINIMUM X	:	-1.404	-1.209	-1.299
MAXIMUM Y	:	.761	.844	.875
MINIMUM Y	:	-.929	-.846	-.815
CENTROID X	:	.255	.060	.211
CENTROID Y	:	.392	.309	.278
POA TO CENTROID in.	:	.467	.314	.349
MIN RADIUS	:	.087	.126	.101
MEAN RADIUS	:	1.080	.959	.917
MAX RADIUS	:	1.907	1.503	1.382
HORIZONTAL SPREAD	:	3.157	2.565	2.504
VERTICAL SPREAD	:	1.690	1.690	1.690
EXTREME SPREAD	:	3.212	2.597	2.536
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

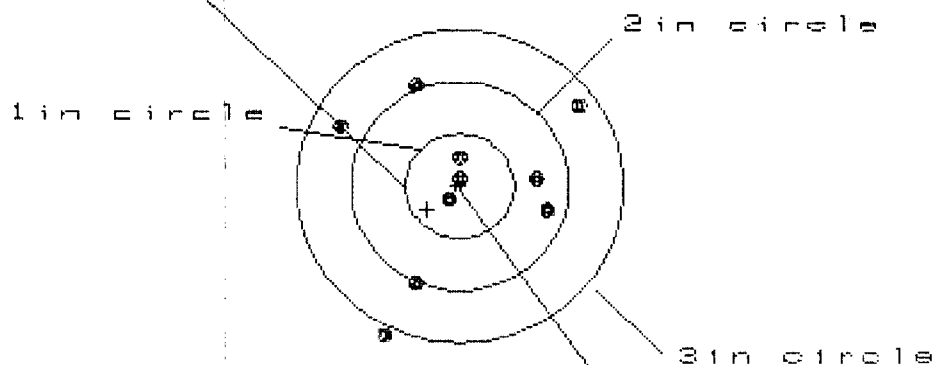
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CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 2.262

VS = 2.389

GS = 2.915

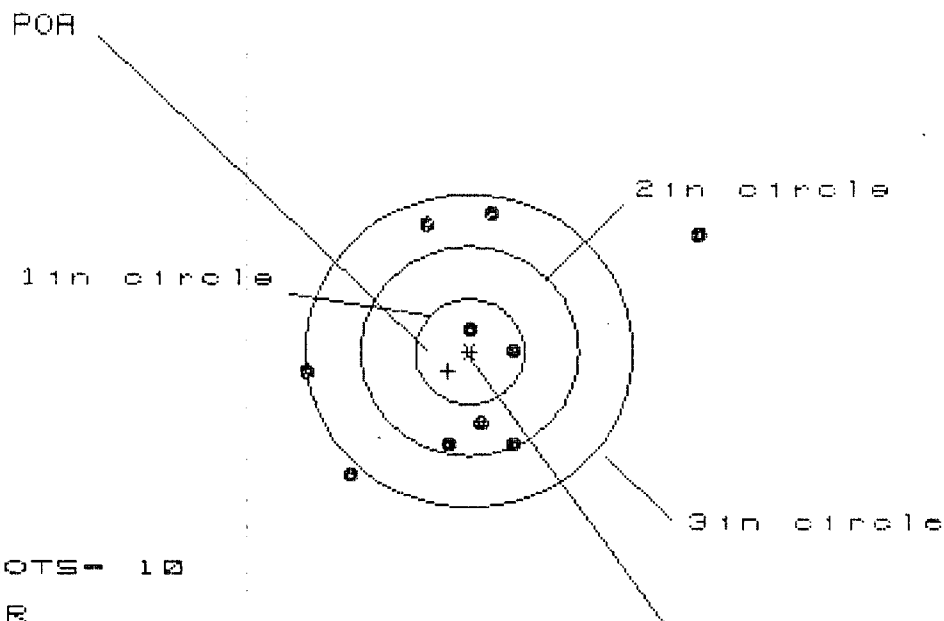
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.138	1.059	.851
MINIMUM X	-1.124	-1.203	-1.071
MAXIMUM Y	.949	.789	.871
MINIMUM Y	-1.440	-1.105	-1.023
CENTROID X	.297	.376	.244
CENTROID Y	.226	.386	.304
POA TO CENTROID in.	.374	.539	.390
MIN RADIUS	.075	.104	.097
MEAN RADIUS	.833	.737	.668
MAX RADIUS	1.604	1.273	1.180
HORIZONTAL SPREAD	2.262	2.262	1.922
VERTICAL SPREAD	2.389	1.894	1.894
EXTREME SPREAD	2.915	2.311	2.093
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 9		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10
 # IN CIR
 1in = 2
 2in = 4
 3in = 7
 HS= 3.598
 VS= 2.486
 GS= 3.950

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.094	.652	.539
MINIMUM X	-1.504	-1.272	-1.385
MAXIMUM Y	1.311	1.432	1.300
MINIMUM Y	-1.175	-1.054	-.932
CENTROID X	.194	-.038	.075
CENTROID Y	.184	.063	.195
POA TO CENTROID in.	.268	.074	.209
MIN RADIUS	.198	.375	.205
MEAN RADIUS	1.123	.989	.914
MAX RADIUS	2.361	1.506	1.401
HORIZONTAL SPREAD	3.598	1.924	1.924
VERTICAL SPREAD	2.486	2.486	2.232
EXTREME SPREAD	3.950	2.842	2.303
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		