

C6225509

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

07/15/09 08:19:09

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: **RE00171207** Serial: C6225509 Model M24 SWS Center Fire Caliber: 7.62 NATO Produced: 03/21/1985 Reprint: Status: Closed 7/14/2009 12:50:52 PM

Address Information

Customer: **SD ARMS ROOM** Received From: **SD ARMS ROOM**

Address 1: **8TH DESERT STORM** Address 2: **BLDG 5210 BAY DOOR #30** PO Box: City: **FORT CAMPBELL** State: **KY** Zip Code: **42223** Country: **US**

State: **KY** Zip Code: **42223** Country: **US**

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **FIN** Fax: Email: Comments:

Received Condition

Condition: **Fair** Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A010	Hard Case	1
A026	Scope	1
A045	Br Pod	1
A057	Fit and Fear Sgt Base	1
D000	MARS RAIL	1

Matches Four

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

nagletj 7/15/2009 8:19 AM C4PS NUM INS CERN

start Microsoft Office My Exe Window Microsoft Office Arms Services Repair Part Search by Mate

Serial Number: **C6225509**Model: **M24 SWS****RE00171207**

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

R & E NUMBER 171207-
SERIAL NUMBER C6225509
LOG-IN DATE 7-14-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-17-09	RTZ
505	RE-BARREL	7-20-09	RTZ
420	ASSEMBLE	7-20-09	RTZ
440	PROOF	7-20-09	SPH
460	CHECK HEADSPACE	7-20-09	SPH
470	DIS-ASSEMBLE GUN	7-20-09	SPH
480	MAGNAFLUX	7-20-09	SPH
510	DRILL AND TAP	7-21-09	SP
500	ROLLMARK CALIBER	7-28-09	DWD
520	GOFF BLAST BBL / REC	7-30-09	SPH
530 & 540	APPLY COATINGS	8/1/09	-
560	FINAL ASSEMBLY	8-4-09	RTZ
640	FUNCTION TEST AND	8-18-09	RP
650	TARGET	8-18-09	RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	8-19-09	RTZ
	A) HEADSPACE	8-20-09	RTZ
	B) TRIGGER PULL	2.51 2.46 2.45 2.41 2.55 8-20-09	RTZ
680	F) SAFETY ON FORCE	4.0 4.0 4.0 8-20-09	RTZ
	G) SAFETY OFF FORCE	2.0 2.0 2.0 8-20-09	RTZ
690	I) FIRING PIN INDENT	0.023 0.023 0.023 8-20-09	RTZ
	PACK	8-27-09	Fry

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225509.___0
FILE DATE AND TIME: 08/20/2009 05:26

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.022
The Average Y Centroid of the Five Target Set:	0.055
The Average Point of Impact of the Five Target Set:	0.060
The Average Mean Radius of the Five Target Set:	0.594
The Distance from POA to Centroid Target #1:	0.181
The Distance from Centroid Target #2 to Centroid Target #1:	0.120
The Distance from Centroid Target #3 to Centroid Target #1:	0.207
The Distance from Centroid Target #4 to Centroid Target #1:	0.146
The Distance from Centroid Target #5 to Centroid Target #1:	0.291

SERIAL NUMBER: C6225509. __0

TARGET NUMBER: 1

FILE DATE: 08/20/2009

FILE TIME: 05:26

POINT#	X	Y
1:	1.001	0.157
2:	0.991	-0.297
3:	-0.159	-0.446
4:	0.159	-0.250
5:	0.421	0.177
6:	0.053	0.416
7:	-0.336	0.502
8:	-0.675	0.085
9:	0.049	0.226
10:	0.133	0.200

X CENTROID: 0.164

Y CENTROID: 0.077

POA TO CENTROID: 0.181

HORZ SPREAD: 1.676

VERT SPREAD: 0.948

GROUP SPREAD: 1.709

MIN RADIUS: 0.127

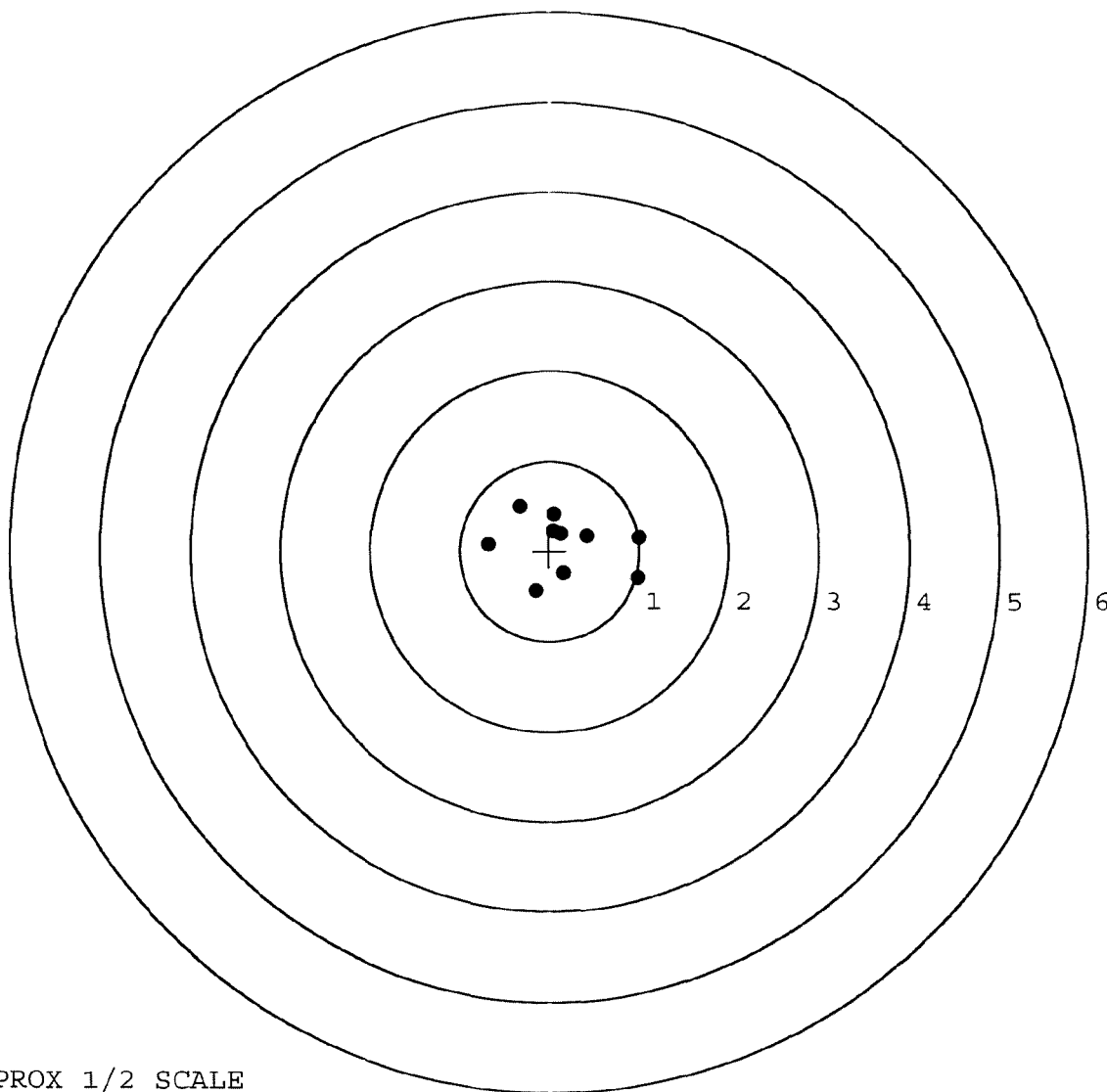
MAX RADIUS: 0.908

MEAN RADIUS: 0.513

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225509. __0

TARGET NUMBER: 2

FILE DATE: 08/20/2009

FILE TIME: 05:26

POINT#	X	Y
1:	-0.611	0.709
2:	-0.268	0.317
3:	0.058	0.621
4:	0.322	0.402
5:	-0.098	0.065
6:	-0.266	-0.347
7:	0.061	-0.271
8:	0.358	-0.229
9:	0.820	-0.231
10:	0.275	-0.947

X CENTROID: 0.065

Y CENTROID: 0.009

POA TO CENTROID: 0.066

HORZ SPREAD: 1.431

VERT SPREAD: 1.656

GROUP SPREAD: 1.878

MIN RADIUS: 0.172

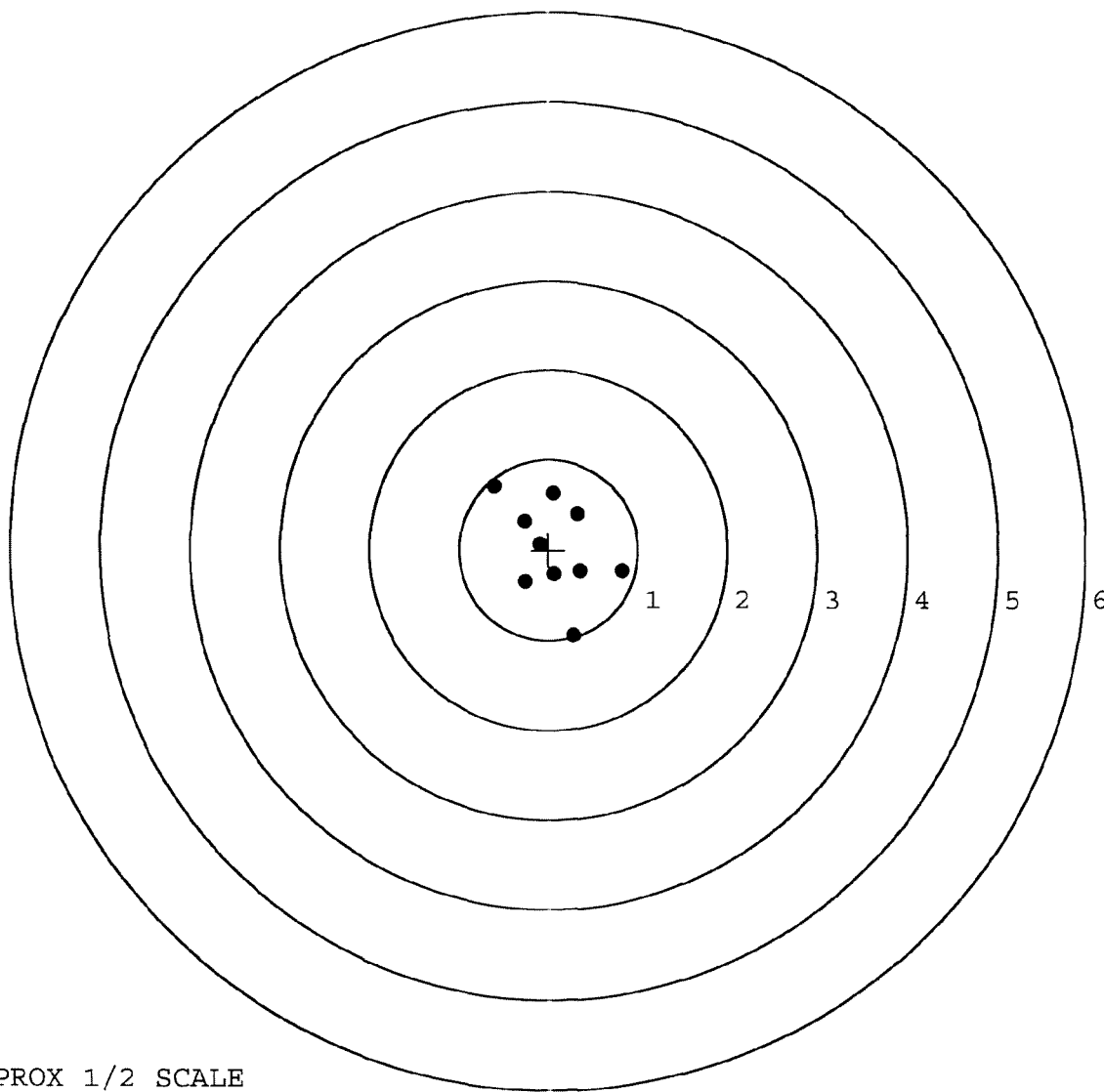
MAX RADIUS: 0.979

MEAN RADIUS: 0.560

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225509. __0

TARGET NUMBER: 3

FILE DATE: 08/20/2009

FILE TIME: 05:26

POINT#	X	Y
1:	0.492	0.322
2:	0.403	0.070
3:	0.556	0.011
4:	0.514	-0.173
5:	0.079	-0.494
6:	-0.759	-0.247
7:	-0.639	0.426
8:	-0.187	0.370
9:	-0.458	-0.099
10:	-0.397	0.186

X CENTROID: -0.040

Y CENTROID: 0.037

POA TO CENTROID: 0.054

HORZ SPREAD: 1.315

VERT SPREAD: 0.920

GROUP SPREAD: 1.374

MIN RADIUS: 0.364

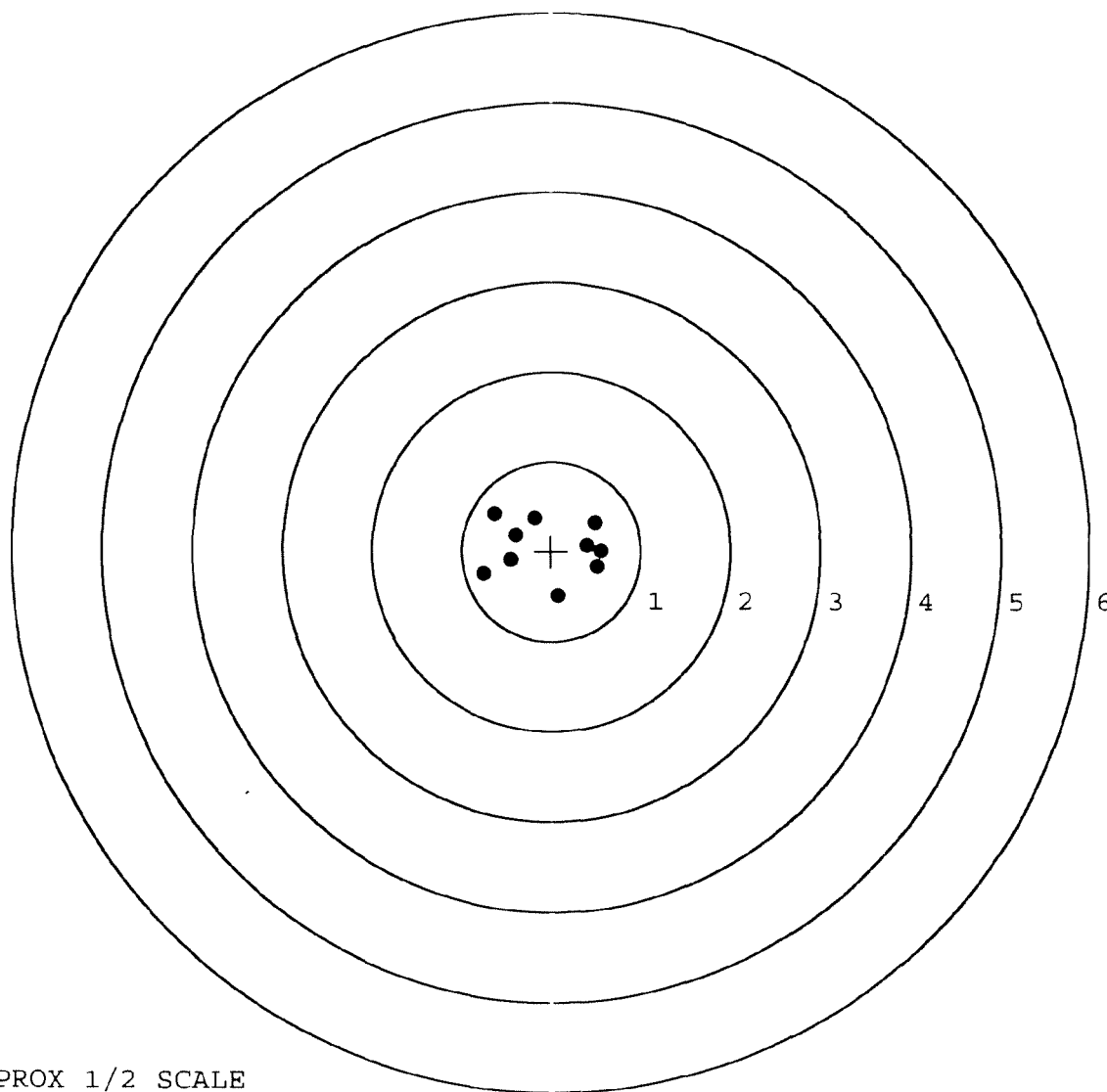
MAX RADIUS: 0.774

MEAN RADIUS: 0.546

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225509. 0

TARGET NUMBER: 4

FILE DATE: 08/20/2009

FILE TIME: 05:26

POINT#	X	Y
1:	1.121	-0.318
2:	0.240	-0.735
3:	0.002	-0.497
4:	-0.411	-0.235
5:	-0.896	0.685
6:	0.559	0.031
7:	0.366	0.202
8:	-0.031	0.150
9:	-0.228	0.227
10:	-0.331	0.492

X CENTROID: 0.039

Y CENTROID: 0.000

POA TO CENTROID: 0.039

HORZ SPREAD: 2.017

VERT SPREAD: 1.420

GROUP SPREAD: 2.253

MIN RADIUS: 0.165

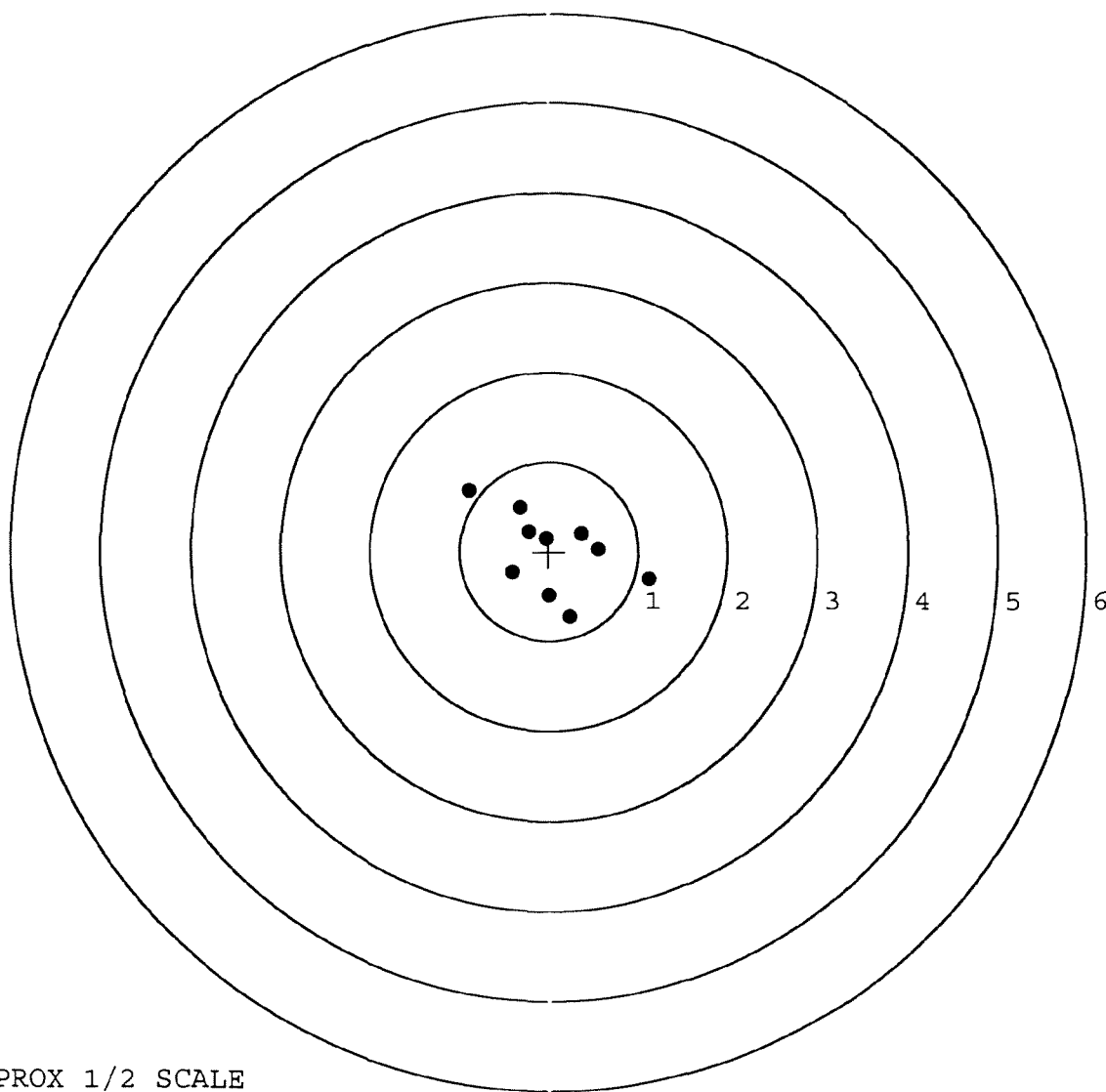
MAX RADIUS: 1.159

MEAN RADIUS: 0.609

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225509. __0

TARGET NUMBER: 5

FILE DATE: 08/20/2009

FILE TIME: 05:26

POINT#	X	Y
1:	-0.667	-0.959
2:	-0.125	-0.258
3:	0.155	-0.336
4:	0.478	-0.189
5:	0.535	0.244
6:	0.244	0.543
7:	0.528	1.021
8:	-1.050	0.474
9:	-0.772	0.541
10:	-0.497	0.456

X CENTROID: -0.117

Y CENTROID: 0.154

POA TO CENTROID: 0.193

HORZ SPREAD: 1.585

VERT SPREAD: 1.980

GROUP SPREAD: 2.313

MIN RADIUS: 0.412

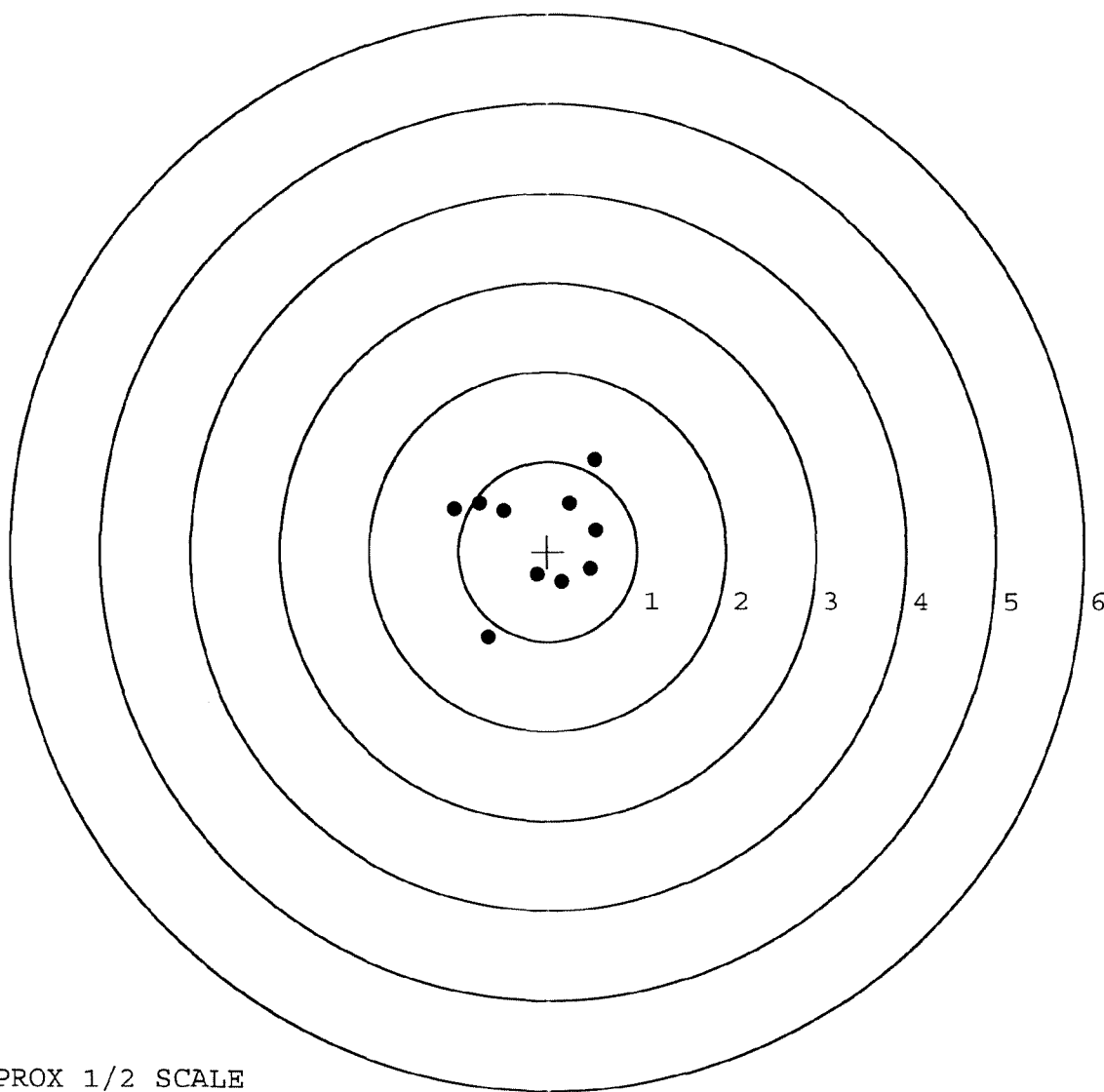
MAX RADIUS: 1.241

MEAN RADIUS: 0.740

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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: **RE00092457** Serial: C6225509 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 03/21/1989 Repairman: Status: Closed 2/4/2005 9:37:12 AM

Verify Repair: [REDACTED]

Address Information

Customer: ☒ Received From: ☐ Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 36201 4199 Country: US State: AL Zip Code: 36201 4199 Country: US

FFL: [] [] [] [] [] [] [] []

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Good Condition Notes: CSR Notes:

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

neglrf 2/7/2005 11:26 AM CAPS NUM INS SCRL

start 3 3 3

Serial Number: **C6225509**

Model: **M24 SWS**



RE00092457

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225509.___0
FILE DATE AND TIME: 05/03/2005 07:09

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:	0.195
The Average Point of Impact of the Five Target Set:	0.200
The Average Mean Radius of the Five Target Set:	1.127
The Distance from POA to Centroid Target #1:	0.761
The Distance from Centroid Target #2 to Centroid Target #1:	0.864
The Distance from Centroid Target #3 to Centroid Target #1:	0.260
The Distance from Centroid Target #4 to Centroid Target #1:	0.775
The Distance from Centroid Target #5 to Centroid Target #1:	0.925

SERIAL NUMBER: C6225509. __0

TARGET NUMBER: 1

FILE DATE: 05/03/2005

FILE TIME: 07:09

X CENTROID: -0.151

Y CENTROID: 0.746

POA TO CENTROID: 0.761

HORZ SPREAD: 1.390

VERT SPREAD: 3.272

GROUP SPREAD: 3.395

MIN RADIUS: 0.444

MAX RADIUS: 2.048

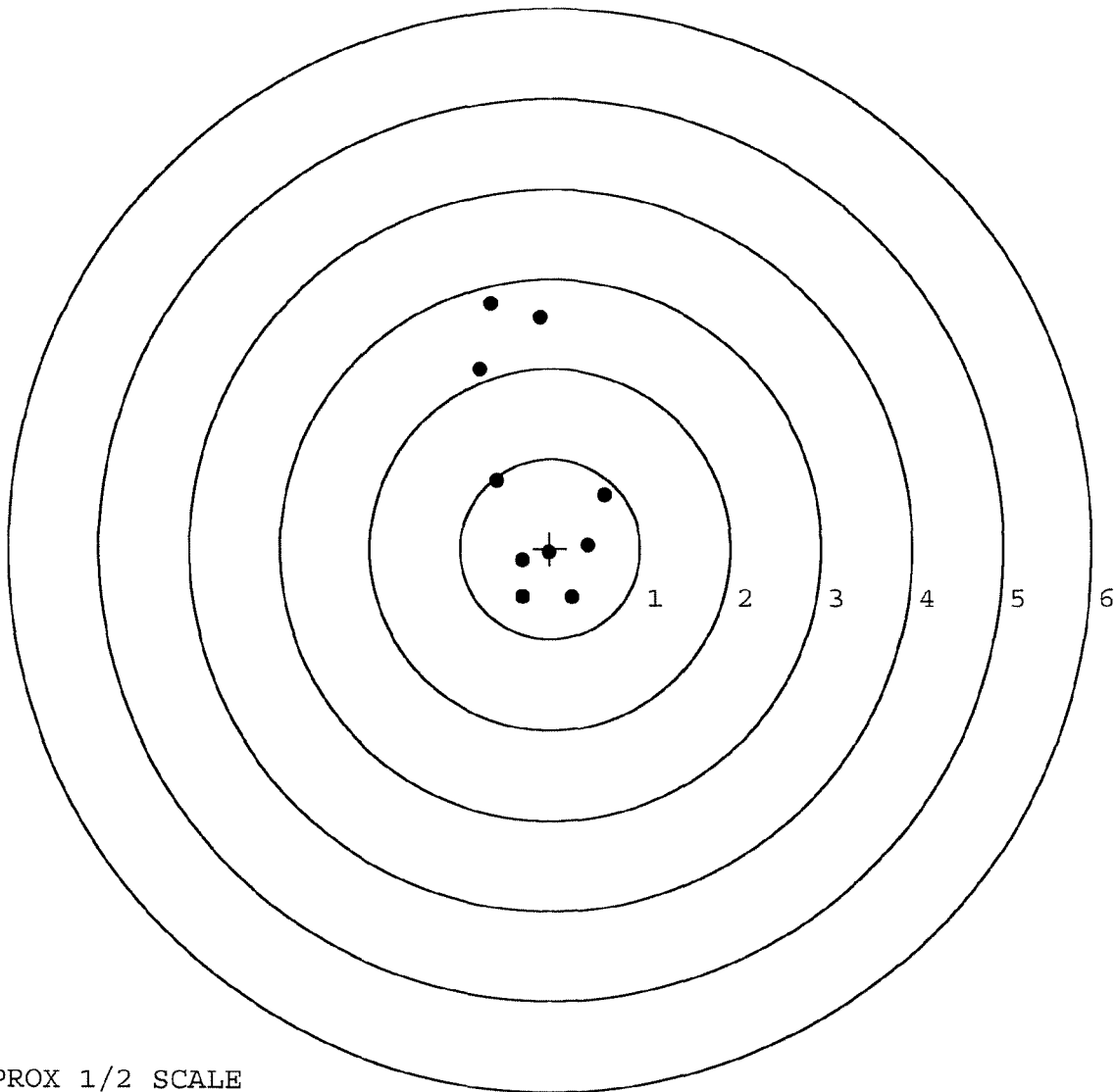
MEAN RADIUS: 1.173

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.109	2.568
2:	-0.660	2.730
3:	-0.786	2.000
4:	-0.595	0.765
5:	0.604	0.606
6:	0.426	0.044
7:	-0.019	-0.044
8:	-0.312	-0.133
9:	-0.307	-0.534
10:	0.246	-0.542



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225509. __0

TARGET NUMBER: 2

FILE DATE: 05/03/2005

FILE TIME: 07:09

X CENTROID: -0.054

Y CENTROID: -0.112

POA TO CENTROID: 0.125

HORZ SPREAD: 2.665

VERT SPREAD: 4.186

GROUP SPREAD: 4.890

MIN RADIUS: 0.318

MAX RADIUS: 2.497

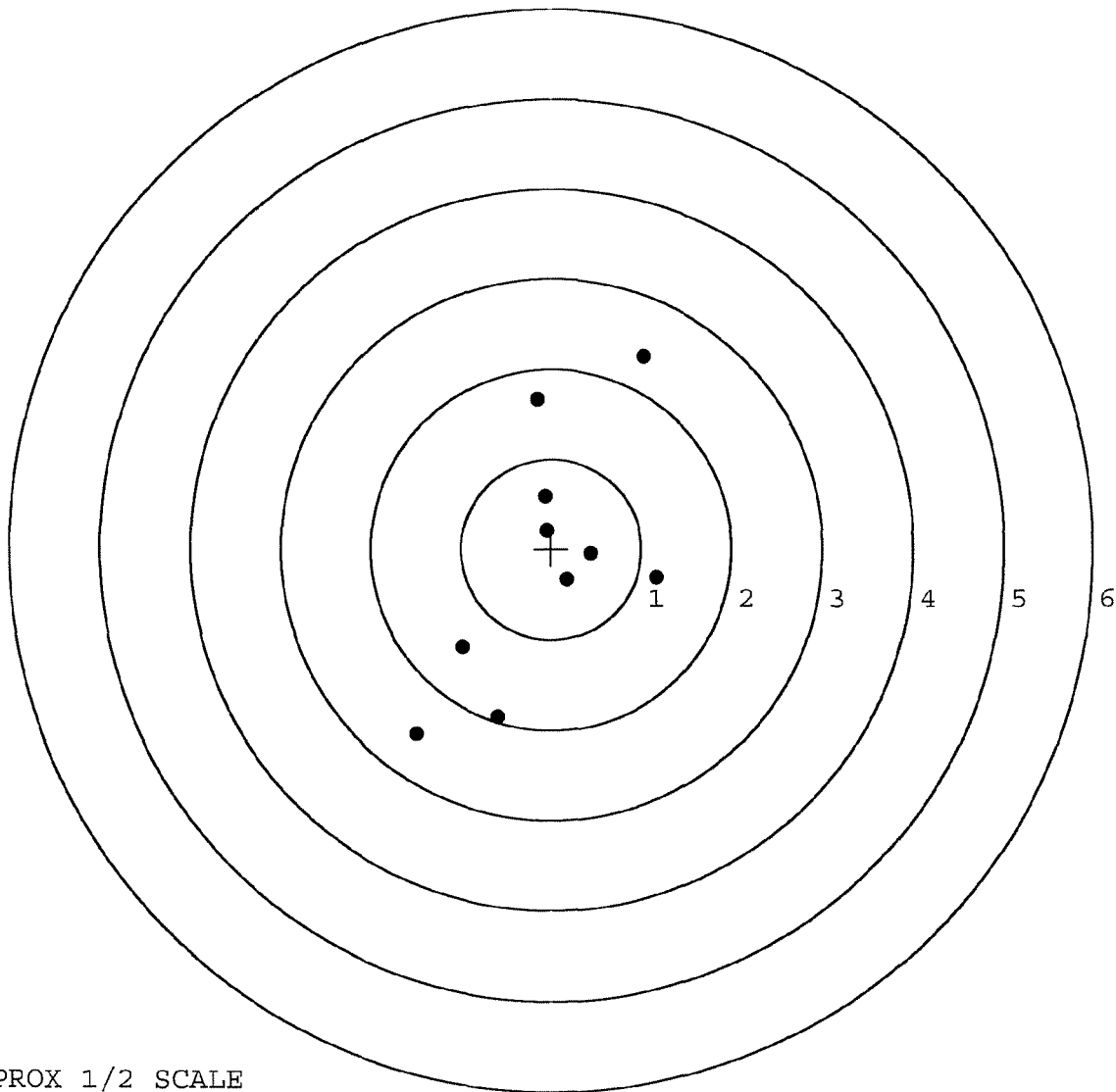
MEAN RADIUS: 1.296

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	1.170	-0.323
2:	0.445	-0.050
3:	0.179	-0.342
4:	-0.053	0.206
5:	-0.073	0.585
6:	-0.984	-1.091
7:	-0.600	-1.860
8:	-1.495	-2.050
9:	-0.160	1.665
10:	1.033	2.136



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225509. __0

TARGET NUMBER: 3

FILE DATE: 05/03/2005

FILE TIME: 07:09

X CENTROID: -0.031

Y CENTROID: 0.515

POA TO CENTROID: 0.516

HORZ SPREAD: 2.688

VERT SPREAD: 3.916

GROUP SPREAD: 3.932

MIN RADIUS: 0.853

MAX RADIUS: 2.424

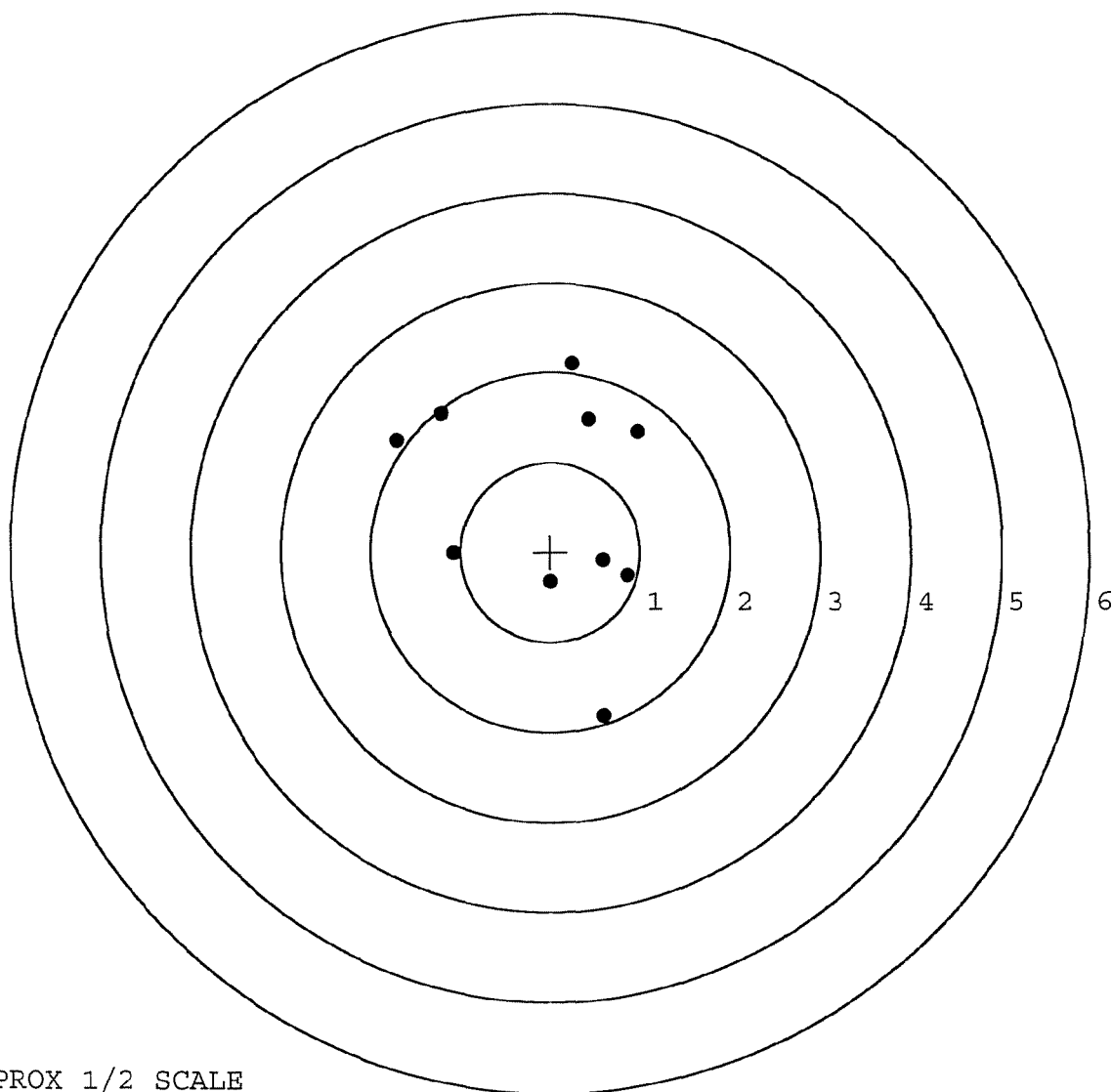
MEAN RADIUS: 1.385

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.856	-0.264
2:	0.588	-0.087
3:	0.001	-0.337
4:	-1.078	-0.016
5:	-1.709	1.243
6:	-1.214	1.538
7:	0.979	1.334
8:	0.421	1.476
9:	0.245	2.090
10:	0.599	-1.826



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225509. __0

TARGET NUMBER: 4

FILE DATE: 05/03/2005

FILE TIME: 07:09

X CENTROID: 0.063

Y CENTROID: 0.001

POA TO CENTROID: 0.063

HORZ SPREAD: 2.245

VERT SPREAD: 1.909

GROUP SPREAD: 2.686

MIN RADIUS: 0.356

MAX RADIUS: 1.499

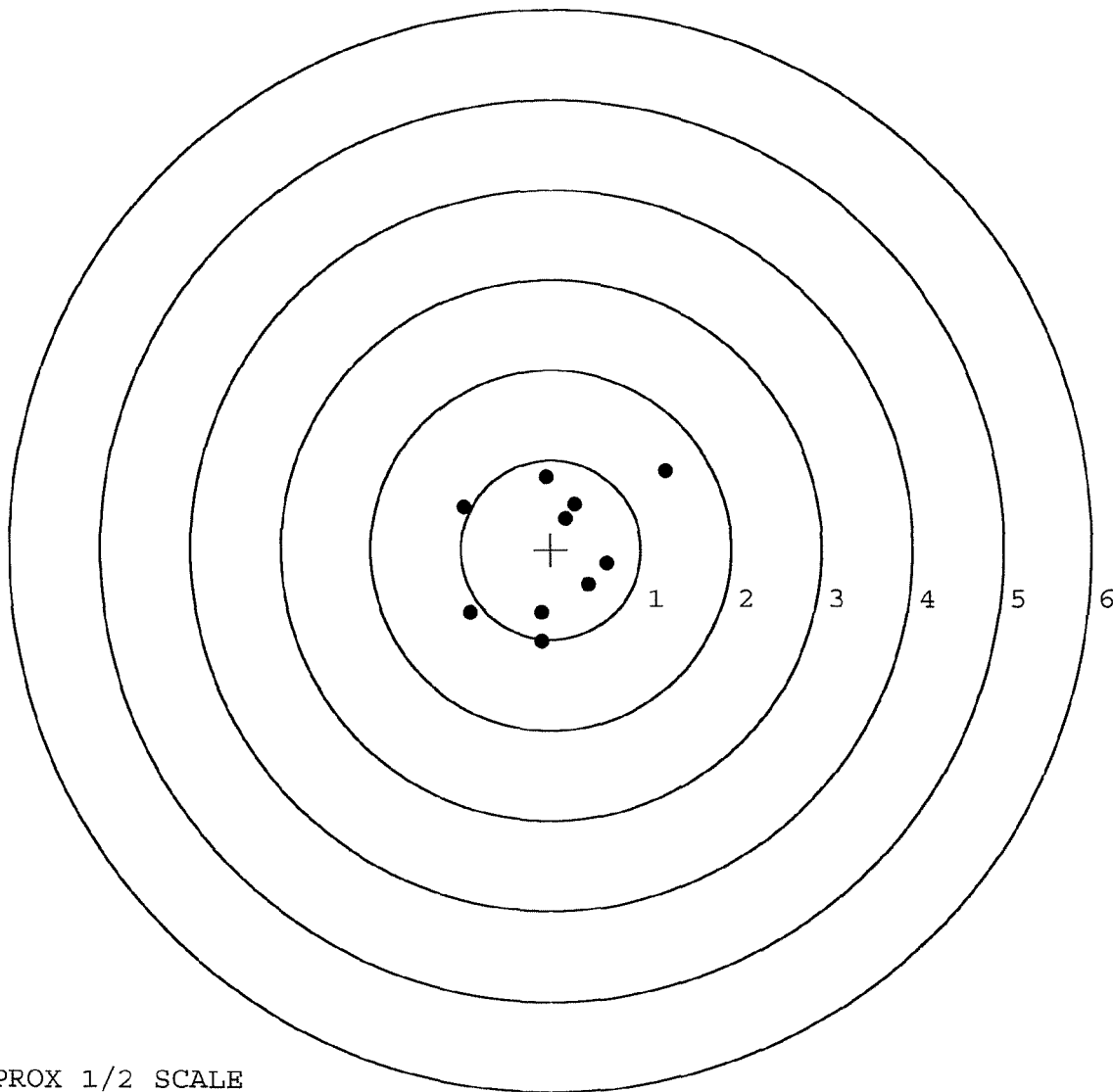
MEAN RADIUS: 0.843

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.103	-1.031
2:	-0.106	-0.711
3:	-0.889	-0.709
4:	0.417	-0.394
5:	0.623	-0.157
6:	0.165	0.342
7:	0.264	0.504
8:	-0.057	0.811
9:	-0.967	0.480
10:	1.278	0.878



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225509.___0

TARGET NUMBER: 5

FILE DATE: 05/03/2005

FILE TIME: 07:09

X CENTROID: -0.041

Y CENTROID: -0.173

POA TO CENTROID: 0.178

HORZ SPREAD: 2.776

VERT SPREAD: 2.367

GROUP SPREAD: 3.469

MIN RADIUS: 0.220

MAX RADIUS: 1.832

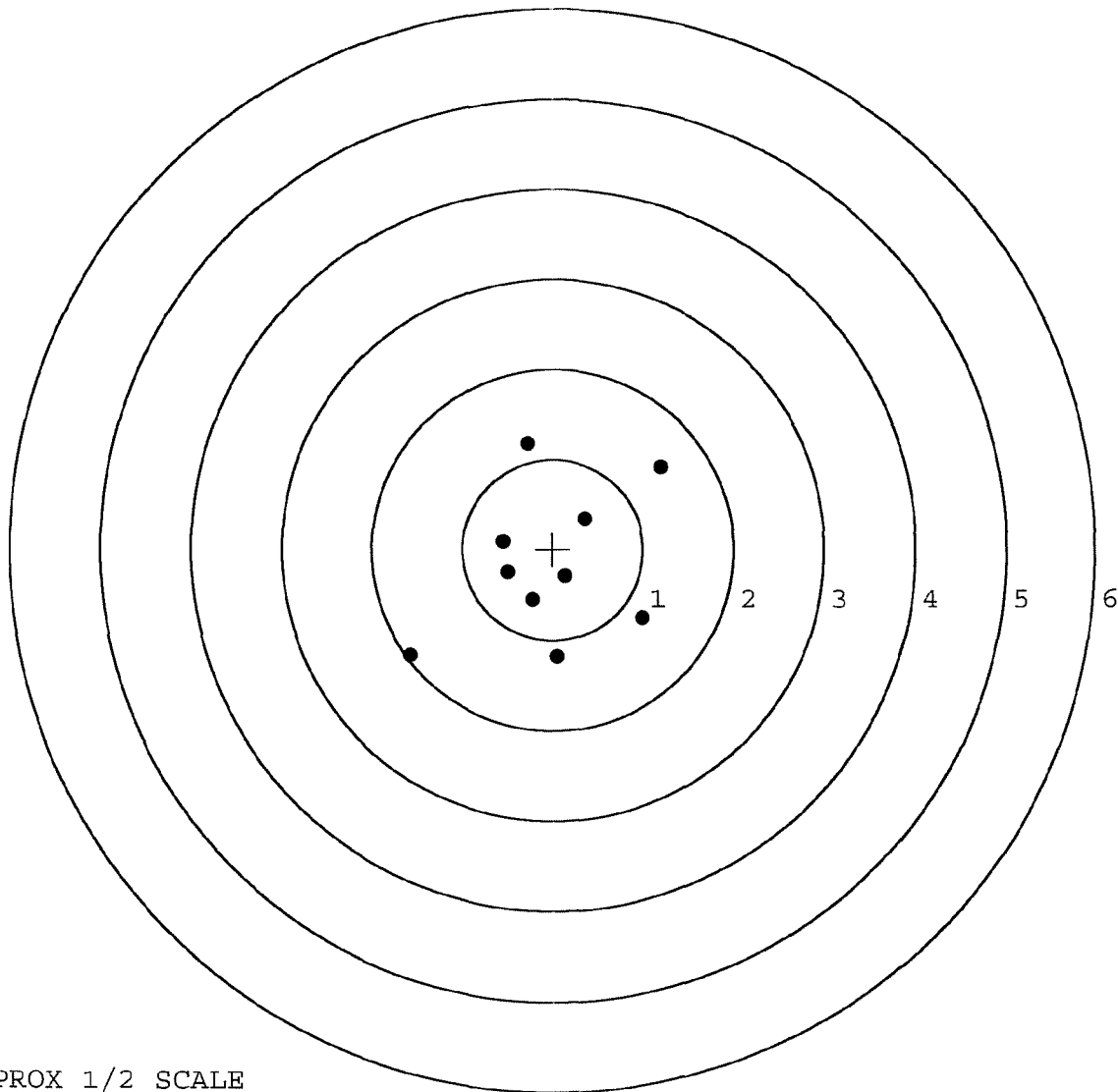
MEAN RADIUS: 0.940

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.987	-0.760
2:	0.052	-1.187
3:	-1.575	-1.173
4:	-0.232	-0.561
5:	0.135	-0.306
6:	1.201	0.908
7:	0.356	0.336
8:	-0.503	-0.257
9:	-0.552	0.092
10:	-0.275	1.180



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92457		
SERIAL NUMBER	C6223509		
LOG-IN DATE	2-4-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-1-05	RTL
560 A	RE-BARREL	4-7-05	RTL
B	DRILL AND TAP	4-11-05	TRW
575	ASSEMBLE	4-7-05	RTL
600	PROOF	4-8-05	AC
605	CHECK HEADSPACE	4-8-05	AC
610	DIS-ASSEMBLE GUN	4-11-05	RTL
612	MAGNAFLUX	OPERATOR BS	
615	ROLLMARK CALIBER	4-12-05	CW
618	ROTO-BLAST	4-18-05	LB
620	APPLY COATINGS	4-23-05	W
625 A	FINAL ASSEMBLY	5-3-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	5-3-05	AC
D	SAFETY "OFF" FORCE	5-3-05	AC
E	FIRING PIN INDENT	5-3-05	AC
640	TARGET	5-3-05	AC
655	FINAL INSPECT	5-3-05	AC
660	PACK	5-6-05	RA
		SHIP DATE	
QAR INSPECTION DATE			

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6225509

ORDER NO.
5716

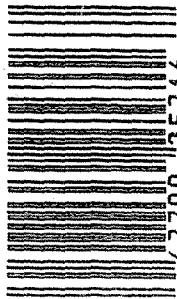
20

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



5716 C6225509

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225509

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	12 9 88		RW
600	Proof	12 9 88		RW
607	Check Headspace	12 9 88		RW
610	Dis-assemble Gun	12 9 88		RW
612	Magnaflux Barrel Action		12-22-88	RJC.
	Magnaflux Bolt		1-3-89	RJC.
615	Rollmark Caliber		12/2/88	W.D.C.
617	Drill and Tap Sight Holes	1 3 89		FB
618	Polish Barrel	12 2 88		WJT
620	Apply Coatings (Barrel Action)		1-17-89	XJH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/7/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/7/89	RW
	C) Inspect Ejector Hole for Chamfer		2/7/89	RW
	D) Oil Firing Pin Ass'y		2/7/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/20/89	JSS

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	5	4			10/26/89	JS
	G) Safety Off Force	3	3	3			10/26/89	JS
	H) Trigger Pull Test & Retainability						7/26/89	JS
	I) Firing Pin Indent	.020	.020	.0205			10/26/89	JS
	J) Assemble Stock						2/28/89	RW
	K) Assemble Swivel Studs						7/26/89	JS
	L) Attach Front and Rear Sight Assemblies						2/28/89	RW
	M) Iron Sight Alignment						2/28/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/28/89	RW
	O) Attach Scope to Rifle						3/1/89	WB
	P) Detach & Attach Scope 20 Times						3/1/89	WB
640	Gallery Target & Test	47 R	105 L				3/2/89	DH
	A) Time						3/2/89	DH
	B) Malfunctions						3/2/89	DH
	C) Pierced Primers						3/2/89	DH
	D) Optical Clarity of Scope						3/2/89	DH
645	Inspect for Live Ammo						3/2/89	DH
655	Final Inspection							
	A) Headspace						7/26/89	JS
	B) Trigger Pull	2.69	2.67	2.72	2.76	2.61	7/26/89	JS
	C) Function						7/26/89	JS
660	Pack						23/12/89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 5509

DATE 22 MAR 90

TESTER JD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	234	235		239	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	230	232		234	
PULL #3	225	218		234	
PULL #4	227	233		233	
PULL #5	230	234		241	
TOTAL	1146	1152			
AVG.	229.2	230.4			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	309	306		
PULL #2	312	307		
PULL #3	308	308		
PULL #4	290	309		
PULL #5	307	295		
TOTAL	1526	1525		
AVG.	3.052	3.05		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	395	398		
PULL #2	399	400		
PULL #3	394	394		
PULL #4	397	398		
PULL #5	398	402		
TOTAL	1983	1992		
AVG.	396.6	398.4		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225509
6 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.102108
1 TO	2	.397819
1 TO	3	.331851
1 TO	4	.363176
1 TO	5	.399212

$\sqrt{.29}$ <----POA

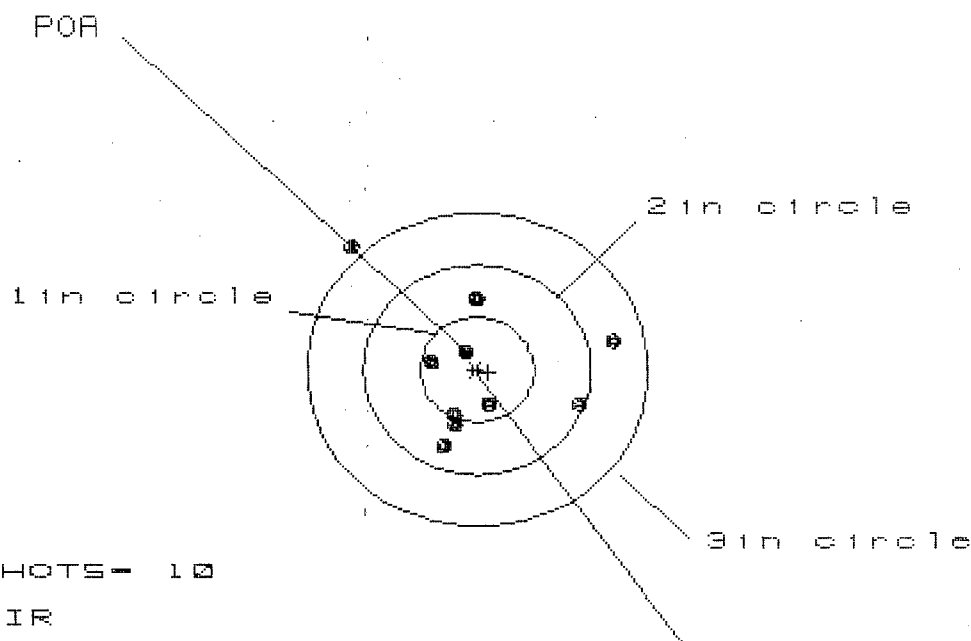
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1538
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2514
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .294714
THE AMR FOR THIS RIFLE IS: .821

2 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225509

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 2.291

VS= 1.923

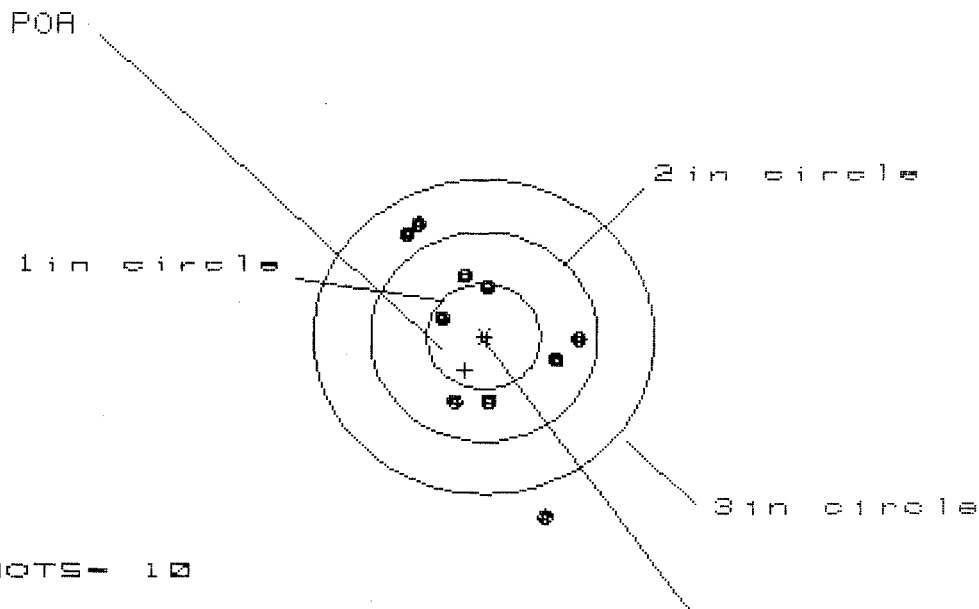
GS= 2.524

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.194	1.072	.935
MINIMUM X	:	-1.097	-.493	-.358
MAXIMUM Y	:	1.166	.830	.881
MINIMUM Y	:	-.757	-.627	-.576
CENTROID X	:	-.099	.023	-.111
CENTROID Y	:	.025	-.105	-.156
POA TO CENTROID in.	:	.102	.107	.192
MIN RADIUS	:	.179	.163	.183
MEAN RADIUS	:	.723	.618	.516
MAX RADIUS	:	1.601	1.149	.950
HORIZONTAL SPREAD	:	2.291	1.565	1.294
VERTICAL SPREAD	:	1.923	1.457	1.457
EXTREME SPREAD	:	2.524	1.796	1.484
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	9		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 7

3 in - 9

HS- 1.478

VS- 2.807

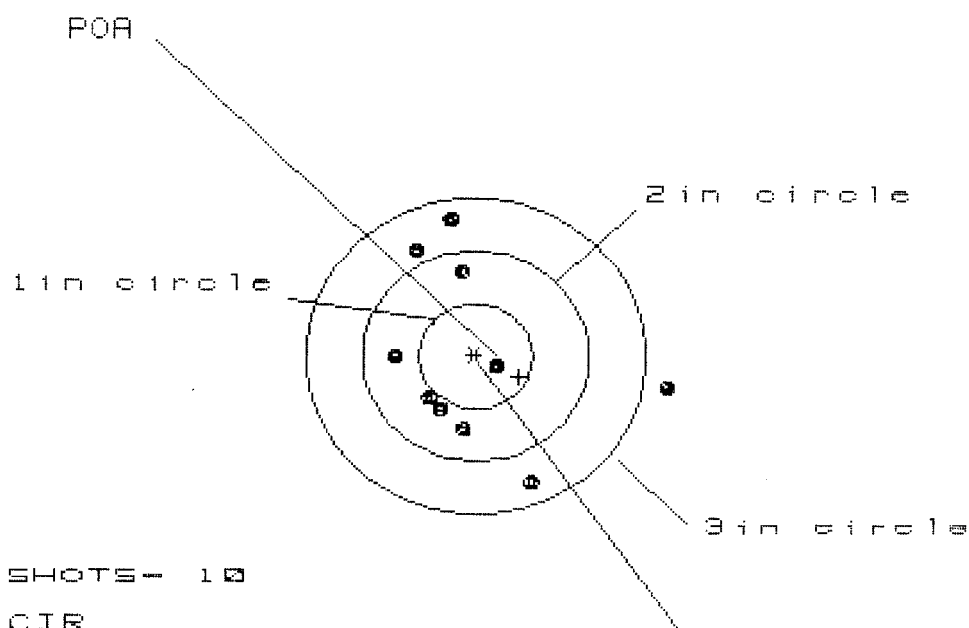
GS- 3.043

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.808	.870	.801
MINIMUM X	:	-.670	-.608	-.677
MAXIMUM Y	:	1.061	.867	.934
MINIMUM Y	:	-1.746	-.807	-.699
CENTROID X	:	.169	.107	.176
CENTROID Y	:	.319	.513	.405
POA TO CENTROID in.	:	.361	.524	.442
MIN RADIUS	:	.371	.293	.358
MEAN RADIUS	:	.848	.713	.673
MAX RADIUS	:	1.833	1.030	1.154
HORIZONTAL SPREAD	:	1.478	1.478	1.478
VERTICAL SPREAD	:	2.807	1.674	1.633
EXTREME SPREAD	:	3.043	1.831	1.831
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.388

VS= 2.462

GS= 2.587

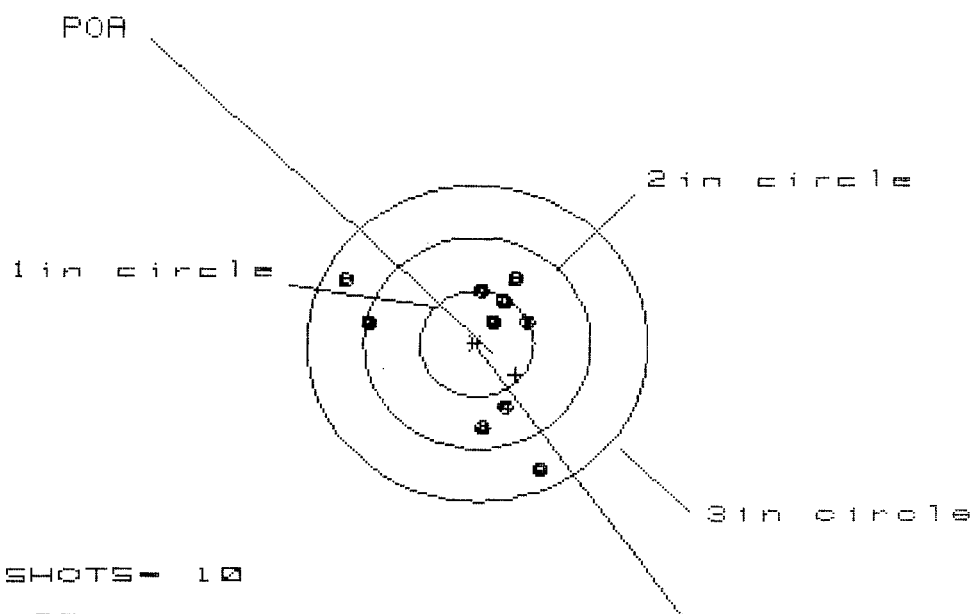
PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.703	.696	.694
MINIMUM X	-.685	-.496	-.498
MAXIMUM Y	1.279	1.250	1.107
MINIMUM Y	-1.183	-1.212	-1.056
CENTROID X	-.384	-.573	-.571
CENTROID Y	.195	.224	.068
POA TO CENTROID in.	.430	.615	.575
MIN RADIUS	.189	.366	.332
MEAN RADIUS	.902	.790	.699
MAX RADIUS	1.723	1.398	1.264
HORIZONTAL SPREAD	2.388	1.192	1.192
VERTICAL SPREAD	2.462	2.462	2.163
EXTREME SPREAD	2.587	2.563	2.414
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 1.710

VS= 1.801

GS= 2.483

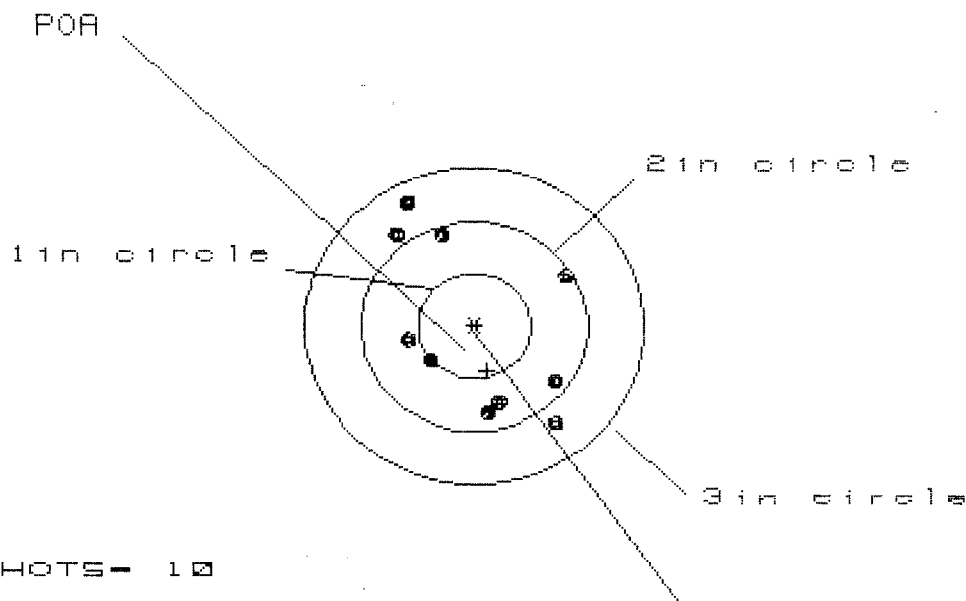
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.575	.481	.348
MINIMUM X	:	-1.135	-1.072	-1.042
MAXIMUM Y	:	.631	.501	.495
MINIMUM Y	:	-1.170	-.941	-.879
CENTROID X	:	-.343	-.406	-.273
CENTROID Y	:	.294	.424	.361
POA TO CENTROID in.	:	.452	.587	.453
MIN RADIUS	:	.204	.180	.112
MEAN RADIUS	:	.735	.656	.559
MAX RADIUS	:	1.304	1.183	1.058
HORIZONTAL SPREAD	:	1.710	1.553	1.389
VERTICAL SPREAD	:	1.801	1.442	1.374
EXTREME SPREAD	:	2.483	1.892	1.527
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.434

VS= 2.092

GS= 2.422

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.782	.721	.798
MINIMUM X	:	-.652	-.713	-.636
MAXIMUM Y	:	1.182	1.009	.912
MINIMUM Y	:	-.910	-.779	-.793
CENTROID X	:	-.112	-.051	-.128
CENTROID Y	:	.424	.293	.390
POA TO CENTROID in.	:	.439	.297	.410
MIN RADIUS	:	.468	.454	.435
MEAN RADIUS	:	.897	.831	.812
MAX RADIUS	:	1.303	1.236	1.112
HORIZONTAL SPREAD	:	1.434	1.434	1.434
VERTICAL SPREAD	:	2.092	1.788	1.705
EXTREME SPREAD	:	2.422	2.224	1.950
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	