

06348970

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.





RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

116 - SAFETY ARTICLES

COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒

TOTAL RETENTION: UNTIL SUPERSEDED

OR OBSOLETE

GS-11050 Rev. 8/78

Repair Inquiry

Repair Number: RE00136592

Serial: C6348970 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 11/9/2007 8:17:03 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: 1/1 ADA

1/1 ADA

Address 1: LONGKNIFE

LONGKNIFE

Address 2:

PO Box:

PO Box:

City: FORT BLISS

FORT BLISS

State: TX

Zip Code: 79916

Country: US

State: TX

Zip Code: 79916

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
A057	Fit and Rear Sgt Base	1
D000	SCOPE CASE	1

Repair Search

Refresh

Close

naglej

11/9/2007

9:14 AM

CAPS

NUM

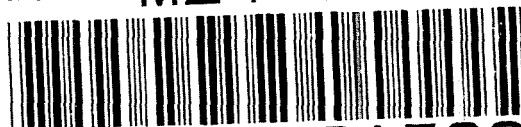
INS

SCRL

Serial
Number:

C6348970

Model: M24 SWS



RE00136592

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348970.___0
FILE DATE AND TIME: 02/14/2008 14:08

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.126
The Average Y Centroid of the Five Target Set:	0.037
The Average Point of Impact of the Five Target Set:	0.132
The Average Mean Radius of the Five Target Set:	0.787
The Distance from POA to Centroid Target #1:	0.110
The Distance from Centroid Target #2 to Centroid Target #1:	0.407
The Distance from Centroid Target #3 to Centroid Target #1:	0.361
The Distance from Centroid Target #4 to Centroid Target #1:	0.294
The Distance from Centroid Target #5 to Centroid Target #1:	0.207

BARBER - M24 0042893

SERIAL NUMBER: C6348970. 0

TARGET NUMBER: 1

FILE DATE: 02/14/2008

FILE TIME: 14:08

POINT#	X	Y
1:	1.253	-0.177
2:	0.775	-0.409
3:	0.900	0.231
4:	0.477	0.046
5:	0.317	0.308
6:	-0.565	0.357
7:	-0.497	-0.160
8:	-0.656	-0.346
9:	-1.224	-0.007
10:	-1.867	-0.028

X CENTROID: -0.109

Y CENTROID: -0.018

POA TO CENTROID: 0.110

HORZ SPREAD: 3.120

VERT SPREAD: 0.766

GROUP SPREAD: 3.124

MIN RADIUS: 0.413

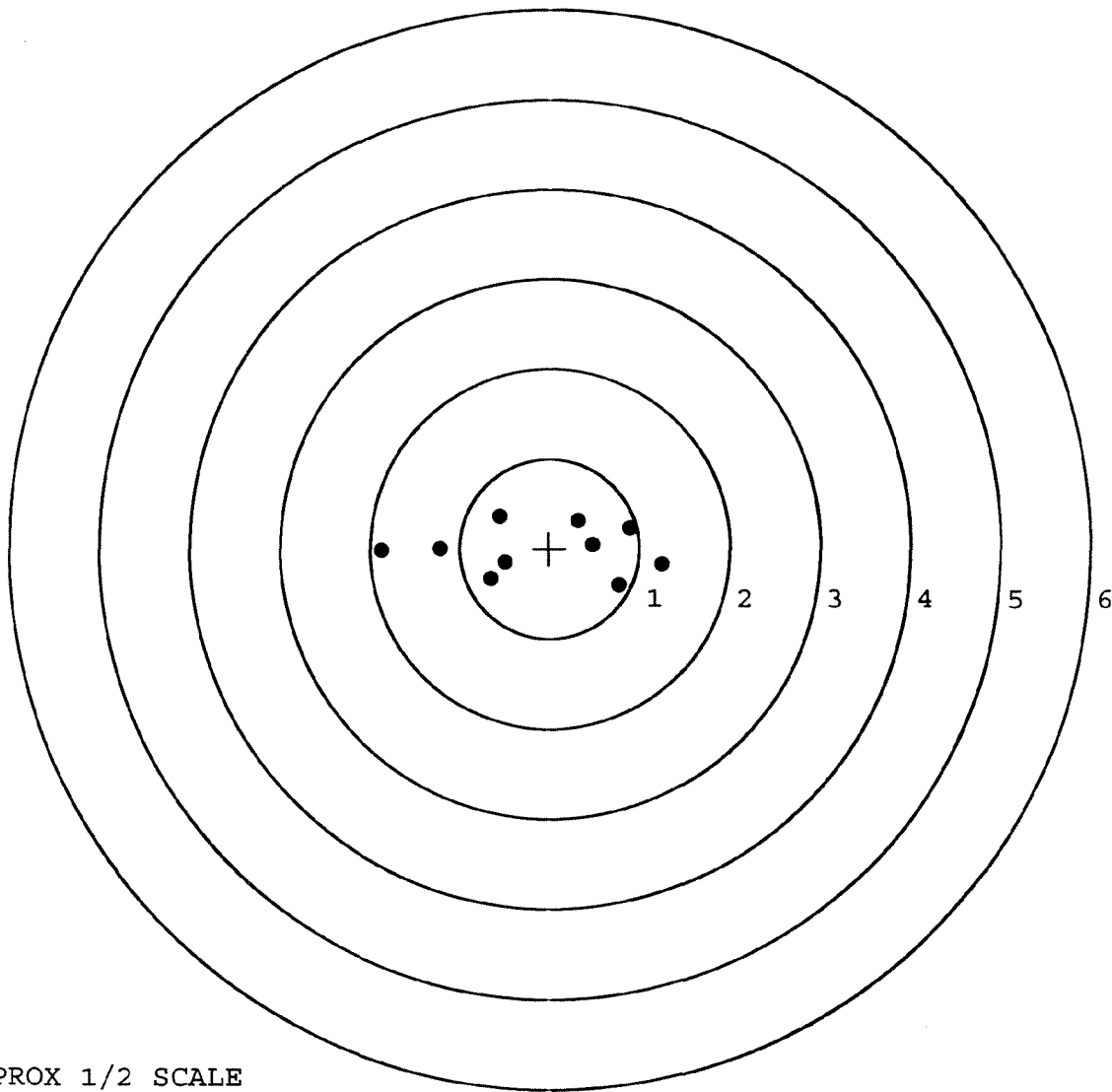
MAX RADIUS: 1.758

MEAN RADIUS: 0.902

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0042894

SERIAL NUMBER: C6348970. __0

TARGET NUMBER: 2

FILE DATE: 02/14/2008

FILE TIME: 14:08

POINT#	X	Y
1:	1.588	0.199
2:	0.786	0.033
3:	0.610	0.976
4:	0.305	0.617
5:	-0.192	-1.001
6:	-0.240	-0.396
7:	0.004	-0.064
8:	-0.219	-0.088
9:	-0.055	0.416

X CENTROID: 0.287

Y CENTROID: 0.077

POA TO CENTROID: 0.298

HORZ SPREAD: 1.828

VERT SPREAD: 1.977

GROUP SPREAD: 2.147

MIN RADIUS: 0.317

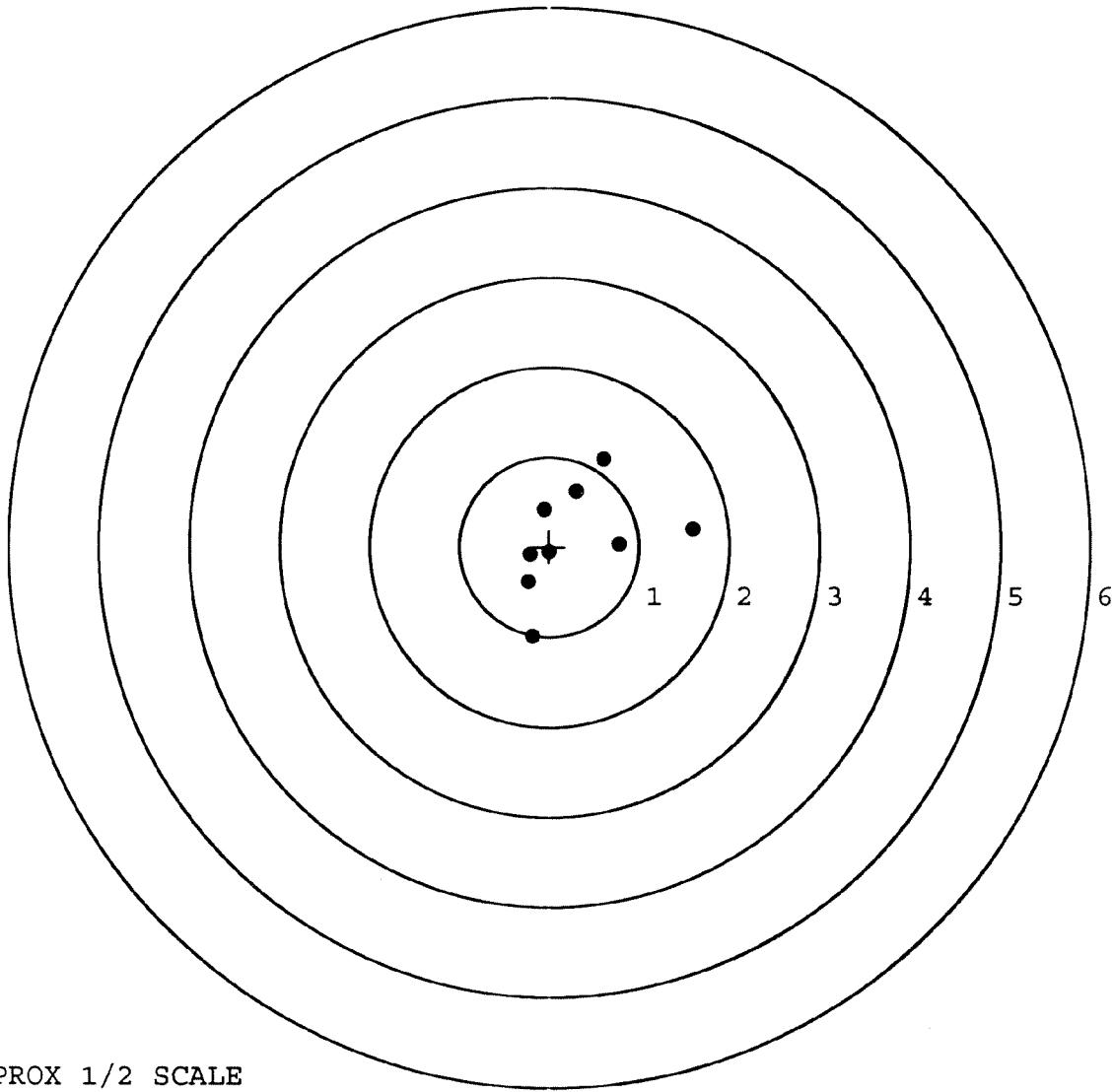
MAX RADIUS: 1.306

MEAN RADIUS: 0.725

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0042895

SERIAL NUMBER: C6348970. __0

TARGET NUMBER: 3

FILE DATE: 02/14/2008

FILE TIME: 14:08

POINT#	X	Y
1:	-0.168	0.615
2:	-0.010	0.348
3:	0.321	0.346
4:	0.752	0.355
5:	0.320	-0.036
6:	-0.051	-0.171
7:	-0.393	-0.192
8:	-0.514	-0.377
9:	-0.330	-0.564
10:	2.230	1.071

X CENTROID: 0.216

Y CENTROID: 0.140

POA TO CENTROID: 0.257

HORZ SPREAD: 2.744

VERT SPREAD: 1.635

GROUP SPREAD: 3.103

MIN RADIUS: 0.204

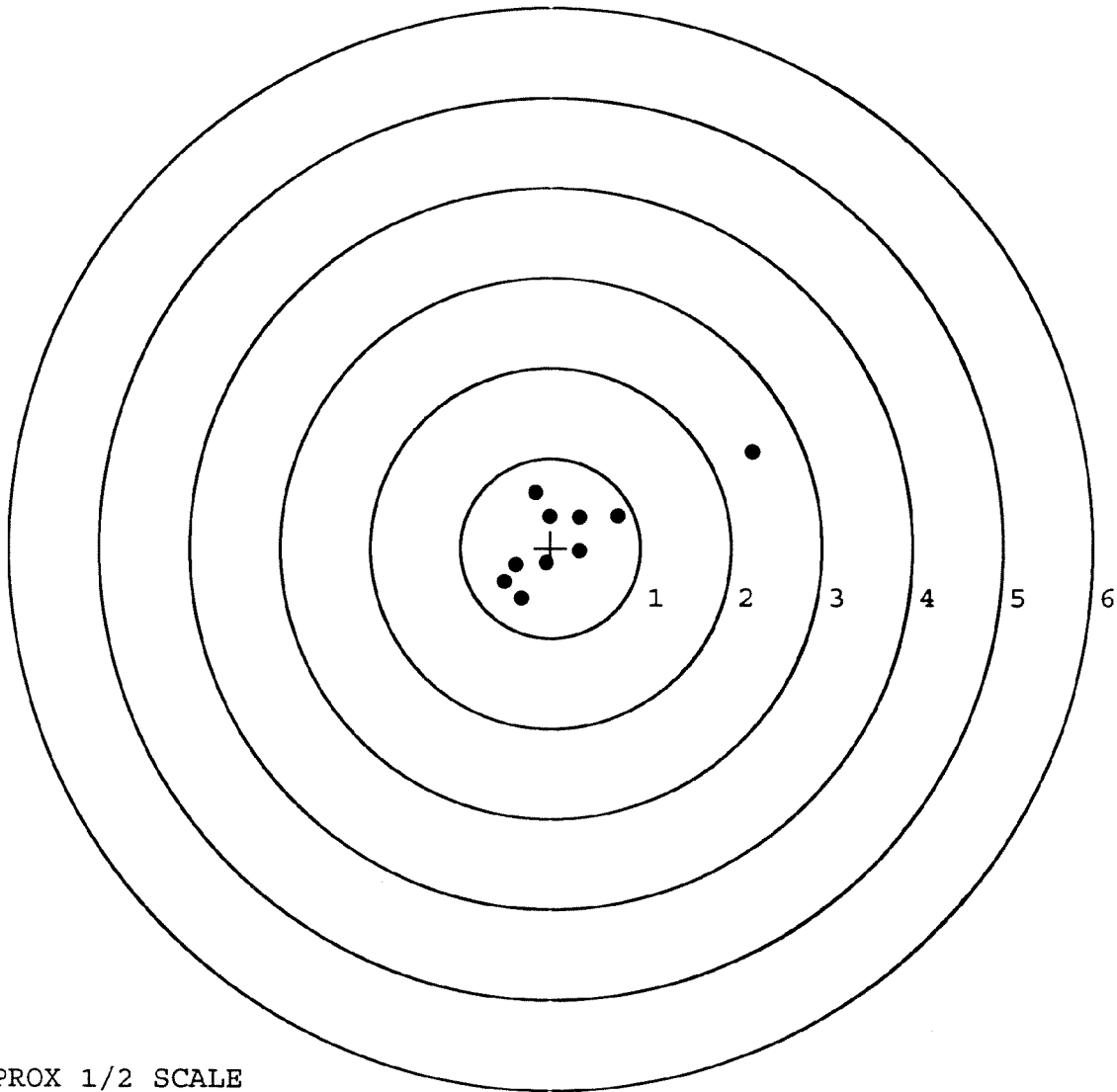
MAX RADIUS: 2.219

MEAN RADIUS: 0.704

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

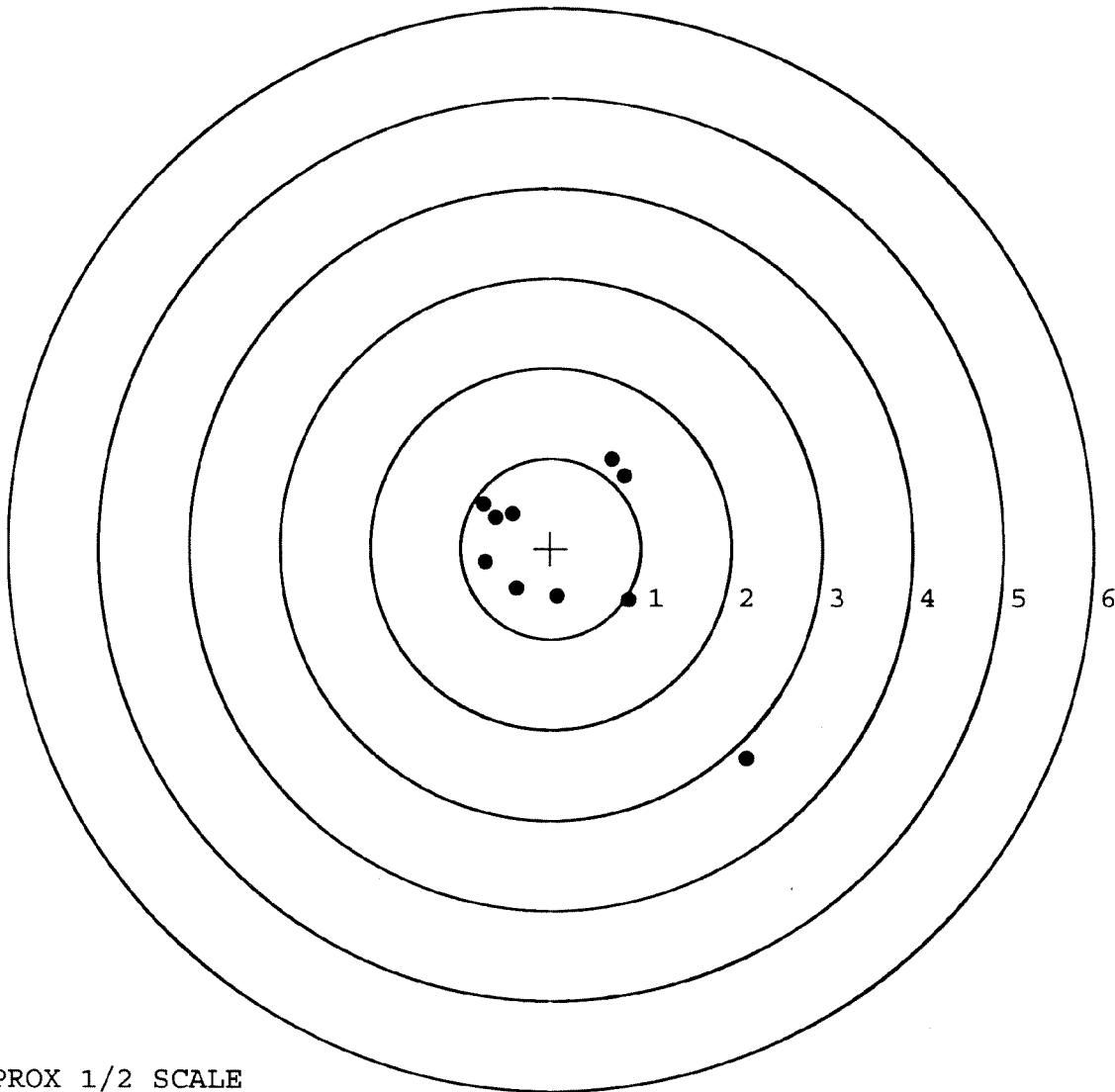


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348970. 0
 TARGET NUMBER: 4
 FILE DATE: 02/14/2008
 FILE TIME: 14:08

POINT#	X	Y
1:	-0.750	0.487
2:	-0.421	0.383
3:	-0.728	-0.158
4:	-0.380	-0.451
5:	0.075	-0.539
6:	0.868	-0.580
7:	0.684	0.991
8:	0.826	0.801
9:	2.165	-2.328
10:	-0.619	0.341

X CENTROID: 0.172
 Y CENTROID: -0.105
 POA TO CENTROID: 0.202
 HORZ SPREAD: 2.915
 VERT SPREAD: 3.319
 GROUP SPREAD: 4.052
 MIN RADIUS: 0.444
 MAX RADIUS: 2.985
 MEAN RADIUS: 1.092
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

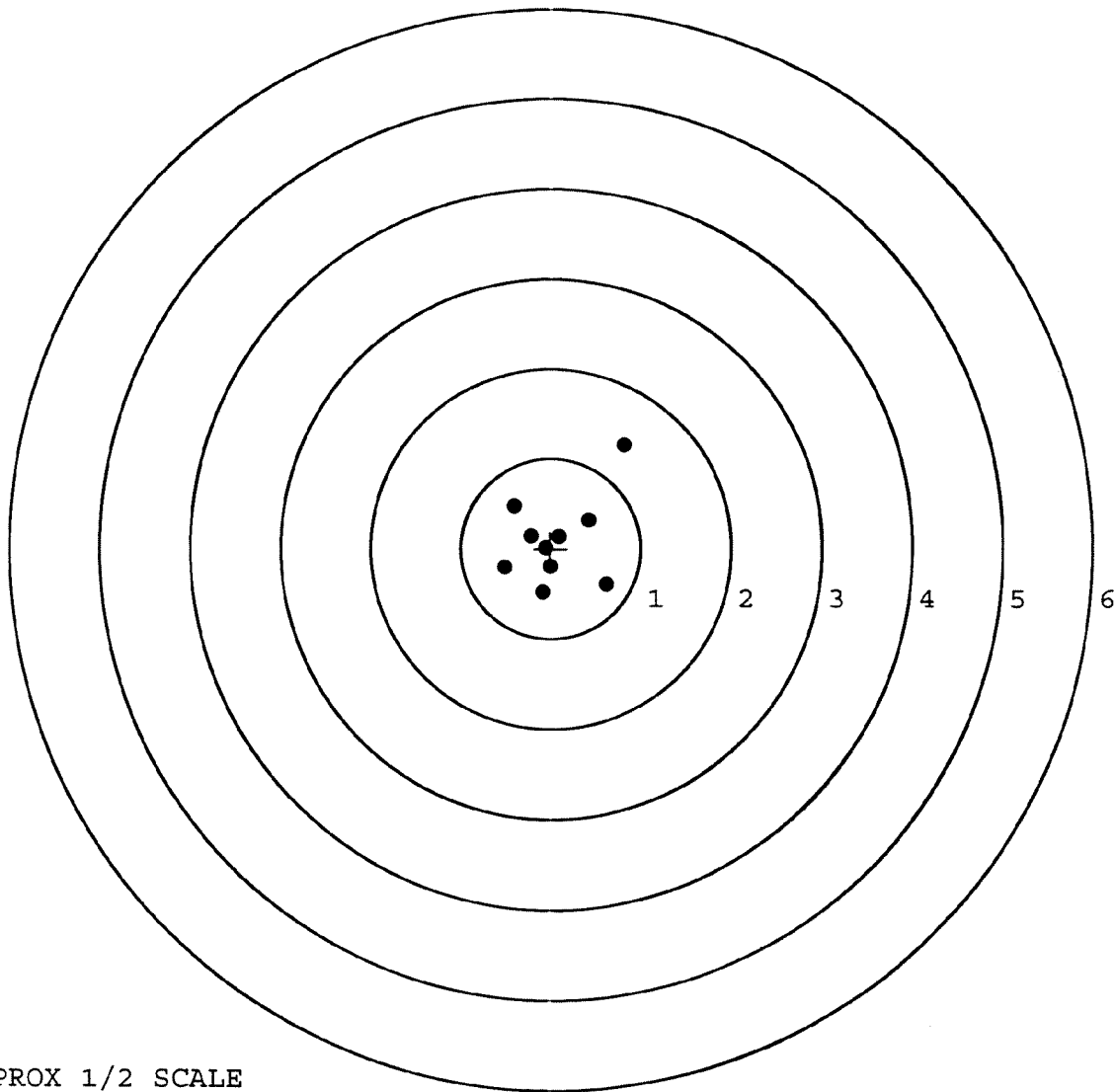


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348970. 0
 TARGET NUMBER: 5
 FILE DATE: 02/14/2008
 FILE TIME: 14:08

POINT#	X	Y
1:	0.818	1.152
2:	-0.407	0.476
3:	0.420	0.326
4:	0.620	-0.399
5:	-0.093	-0.489
6:	-0.520	-0.209
7:	-0.226	0.145
8:	0.002	-0.204
9:	0.096	0.136
10:	-0.059	0.013

X CENTROID: 0.065
 Y CENTROID: 0.095
 POA TO CENTROID: 0.115
 HORZ SPREAD: 1.338
 VERT SPREAD: 1.641
 GROUP SPREAD: 1.909
 MIN RADIUS: 0.052
 MAX RADIUS: 1.298
 MEAN RADIUS: 0.514
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER 00136592SERIAL NUMBER C 6348970LOG-IN DATE 11-9-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-4-08	TRW
505	RE-BARREL	2-5-08	TRW
560	ASSEMBLE	2-5-08	TRW
600	PROOF	2-6-08	TRW
605	CHECK HEADSPACE	2-6-08	TRW
610	DIS-ASSEMBLE GUN	2-6-08	TRW
612	MAGNAFLUX	2-7-08	TRW
510	DRILL AND TAP	2-6-08	TRW
615	ROLLMARK CALIBER	2-6-08	CW
618	ROTO-BLAST	2-7-08	DG
620	APPLY COATINGS	2-11-08	TRW
625	FINAL ASSEMBLY	2-12-08	TRW
640	FUNCTION TEST AND	2-12-08	TRW
650	TARGET	2-12-08	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	2-20-08	TRW
	A) HEADSPACE	2-20-08	TRW
	B) TRIGGER PULL	2-25-08 2-51-08 2-42-08 2-75-08 2-61-08 2-18-08	TRW
680	F) SAFETY ON FORCE	6.0 6.0 5.75 2-20-08	TRW
	G) SAFETY OFF FORCE	3.5 3.5 3.5 2-20-08	TRW
	I) FIRING PIN INDENT	.0225 .023 .023 2-20-08	TRW
690	PACK	2-22-08	FM

BARBER - M24 0042899

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

Repair Inquiry

Repair Number: **RE00092922** Serial: **C6348970** Model: **M24 SWS** Center Fire
 Caliber: **7.62 NATO** Produced: **2/17/1999** Repairman: Status: **Closed 2/17/2005 11:43 PM**

Verify Repair: [REDACTED]

Address Information

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

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

Address 1: [REDACTED] [REDACTED]
 Address 2: [REDACTED] PO Box [REDACTED]
 City: **ANNISTON** **ANNISTON**
 State: **AL** Zip Code: **362014199** Country: **US** State: **AL** Zip Code: **362014199** Country: **US**

FFL: [REDACTED]

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: [REDACTED]
 Fax: [REDACTED]
 Email: [REDACTED]
 Comments: [REDACTED]

Received Condition: Good
 Condition Notes: [REDACTED]
 CSR Notes: [REDACTED]

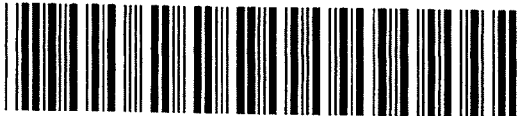
Accessories Received:

Code	Description	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

Page 1 2/14/2005 8:14 AM CAPS NUM INS SCRL

start 5 2 3 Arms Service

Serial Number: **C6348970**
 Model: **M24 SWS**

RE00092922

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348970.___0
FILE DATE AND TIME: 05/19/2005 07:59

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

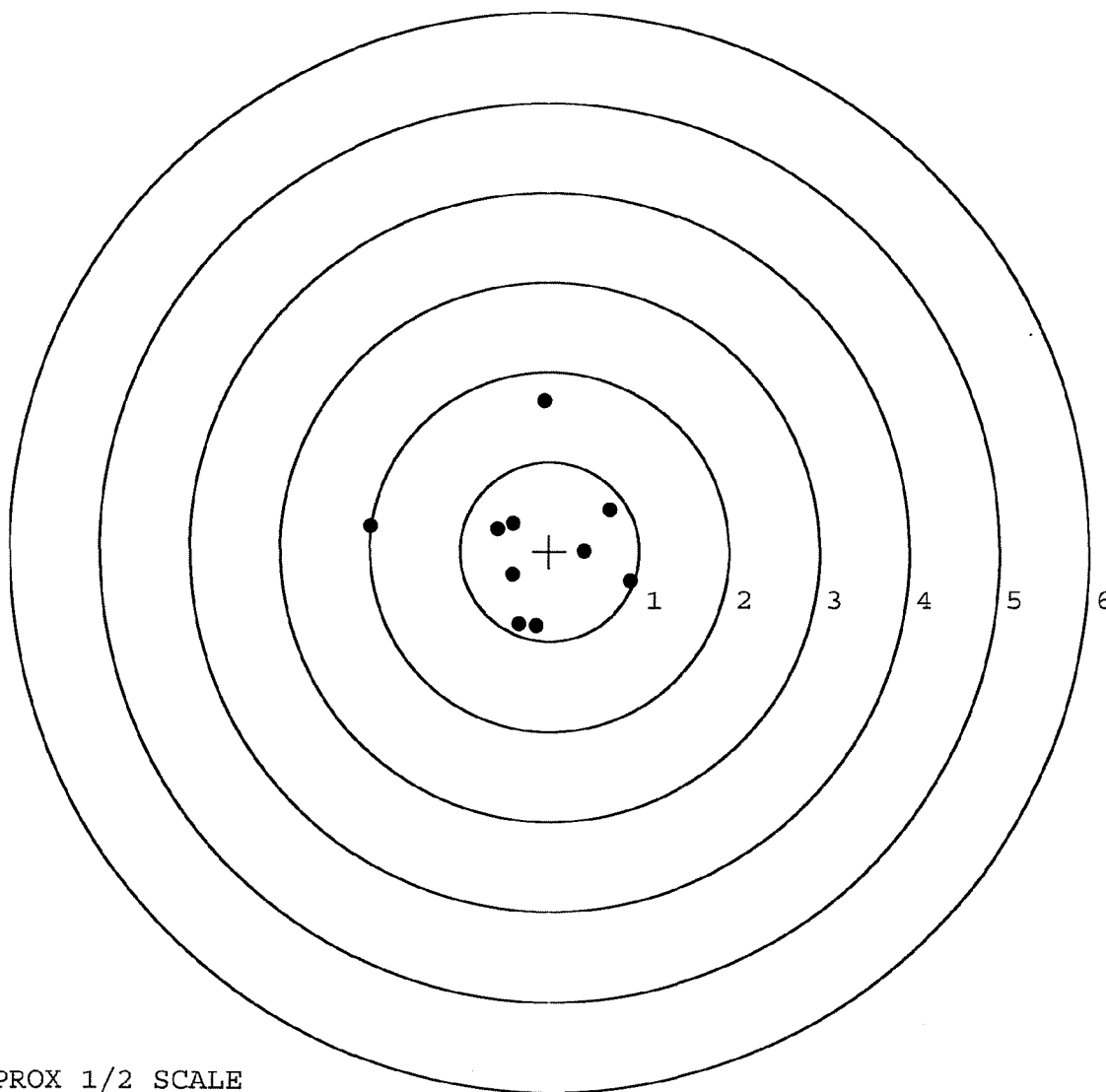
The Average X Centroid of the Five Target Set:	-0.084
The Average Y Centroid of the Five Target Set:	0.075
The Average Point of Impact of the Five Target Set:	0.112
The Average Mean Radius of the Five Target Set:	0.861
The Distance from POA to Centroid Target #1:	0.209
The Distance from Centroid Target #2 to Centroid Target #1:	0.221
The Distance from Centroid Target #3 to Centroid Target #1:	0.559
The Distance from Centroid Target #4 to Centroid Target #1:	0.186
The Distance from Centroid Target #5 to Centroid Target #1:	0.190

BARBER - M24 0042901

SERIAL NUMBER: C6348970. __0
 TARGET NUMBER: 1
 FILE DATE: 05/19/2005
 FILE TIME: 07:59

POINT#	X	Y
1:	-1.987	0.274
2:	-0.344	-0.819
3:	-0.152	-0.836
4:	-0.419	-0.264
5:	-0.579	0.252
6:	-0.401	0.313
7:	0.393	0.006
8:	0.901	-0.339
9:	0.681	0.466
10:	-0.047	1.678

X CENTROID: -0.195
 Y CENTROID: 0.073
 POA TO CENTROID: 0.209
 HORZ SPREAD: 2.888
 VERT SPREAD: 2.514
 GROUP SPREAD: 2.952
 MIN RADIUS: 0.316
 MAX RADIUS: 1.803
 MEAN RADIUS: 0.910
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

BARBER - M24 0042902

SERIAL NUMBER: C6348970. __0

TARGET NUMBER: 2

FILE DATE: 05/19/2005

FILE TIME: 07:59

POINT#	X	Y
1:	0.231	1.037
2:	-0.161	0.553
3:	-0.202	0.244
4:	-0.879	-0.058
5:	-1.346	-0.525
6:	-0.299	-0.300
7:	0.035	-0.921
8:	0.501	-1.139
9:	0.506	-0.164
10:	0.956	0.209

X CENTROID: -0.066

Y CENTROID: -0.106

POA TO CENTROID: 0.125

HORZ SPREAD: 2.302

VERT SPREAD: 2.176

GROUP SPREAD: 2.416

MIN RADIUS: 0.303

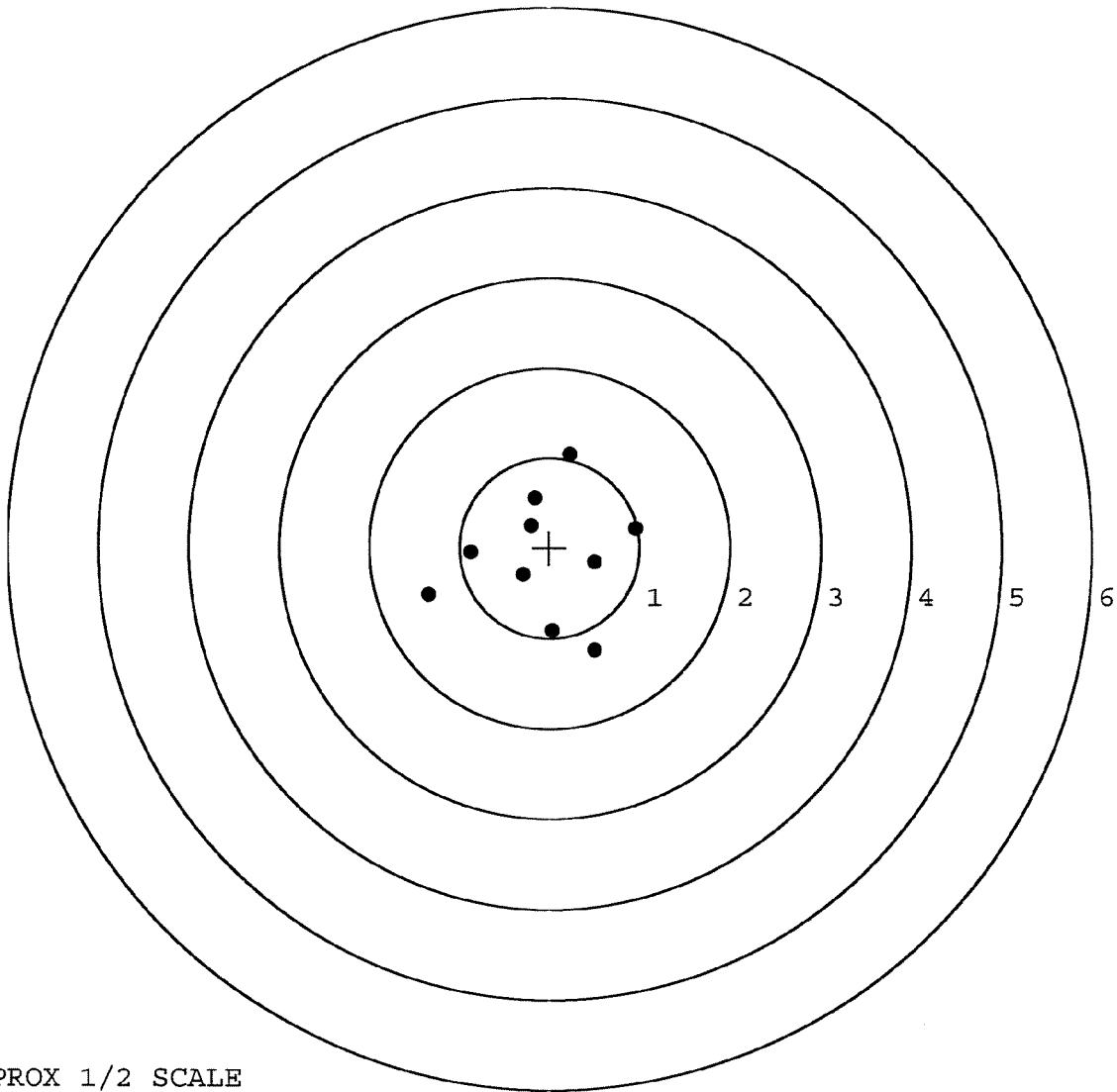
MAX RADIUS: 1.347

MEAN RADIUS: 0.833

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



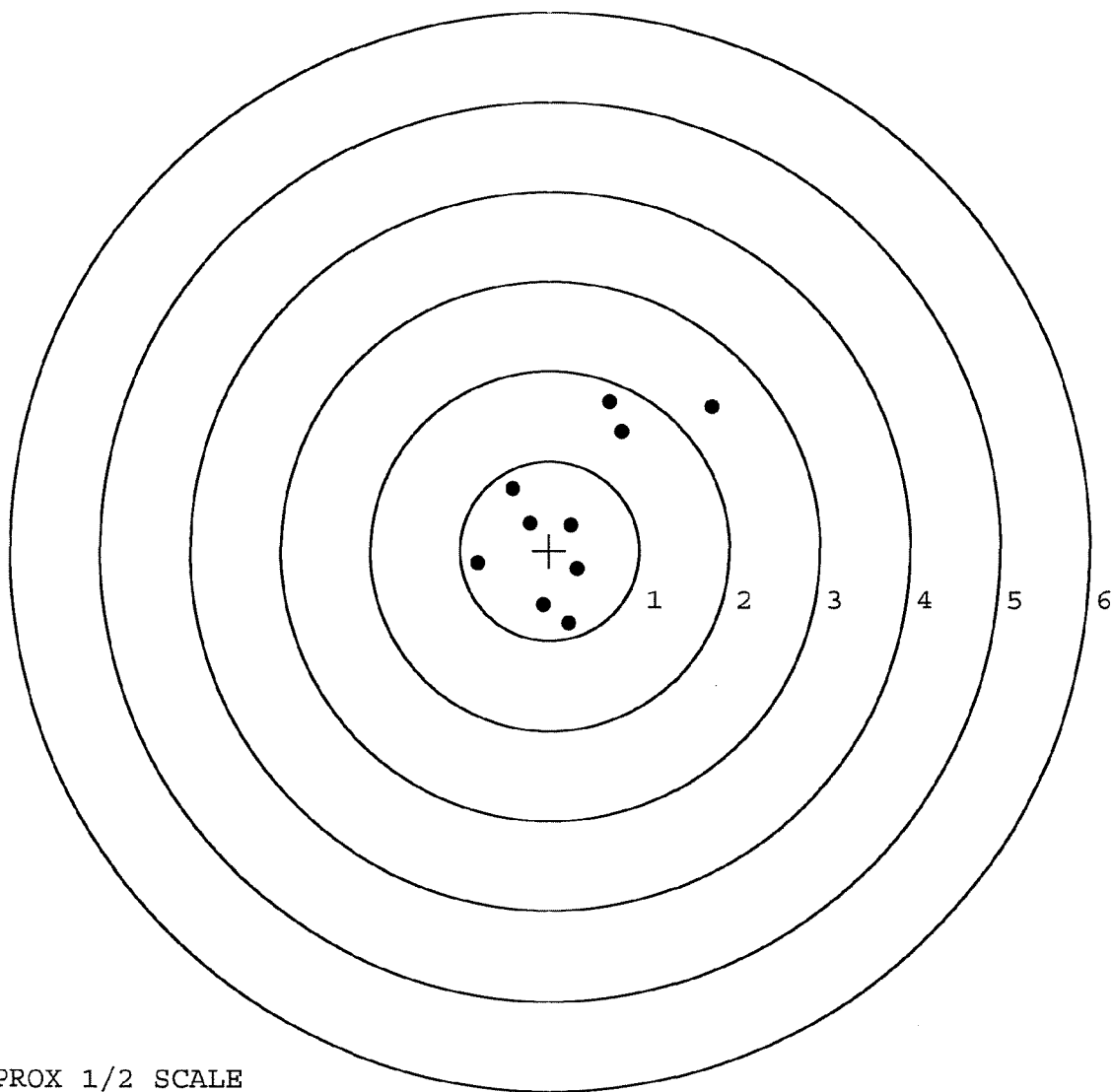
TARGET APPROX 1/2 SCALE

BARBER - M24 0042903

SERIAL NUMBER: C6348970. __0
 TARGET NUMBER: 3
 FILE DATE: 05/19/2005
 FILE TIME: 07:59

POINT#	X	Y
1:	0.670	1.658
2:	0.801	1.321
3:	1.805	1.604
4:	-0.418	0.690
5:	-0.226	0.303
6:	0.237	0.280
7:	0.310	-0.207
8:	-0.069	-0.612
9:	0.219	-0.815
10:	-0.803	-0.144

X CENTROID: 0.253
 Y CENTROID: 0.408
 POA TO CENTROID: 0.480
 HORZ SPREAD: 2.608
 VERT SPREAD: 2.473
 GROUP SPREAD: 3.140
 MIN RADIUS: 0.129
 MAX RADIUS: 1.960
 MEAN RADIUS: 0.979
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0042904

SERIAL NUMBER: C6348970. __0

TARGET NUMBER: 4

FILE DATE: 05/19/2005

FILE TIME: 07:59

POINT#	X	Y
1:	-0.265	0.838
2:	0.407	1.028
3:	0.351	0.092
4:	0.983	-0.051
5:	0.970	-0.830
6:	-0.420	0.107
7:	-0.428	-0.079
8:	-0.297	-0.443
9:	-0.597	-0.744
10:	-1.038	-0.091

X CENTROID: -0.033

Y CENTROID: -0.017

POA TO CENTROID: 0.038

HORZ SPREAD: 2.021

VERT SPREAD: 1.858

GROUP SPREAD: 2.140

MIN RADIUS: 0.399

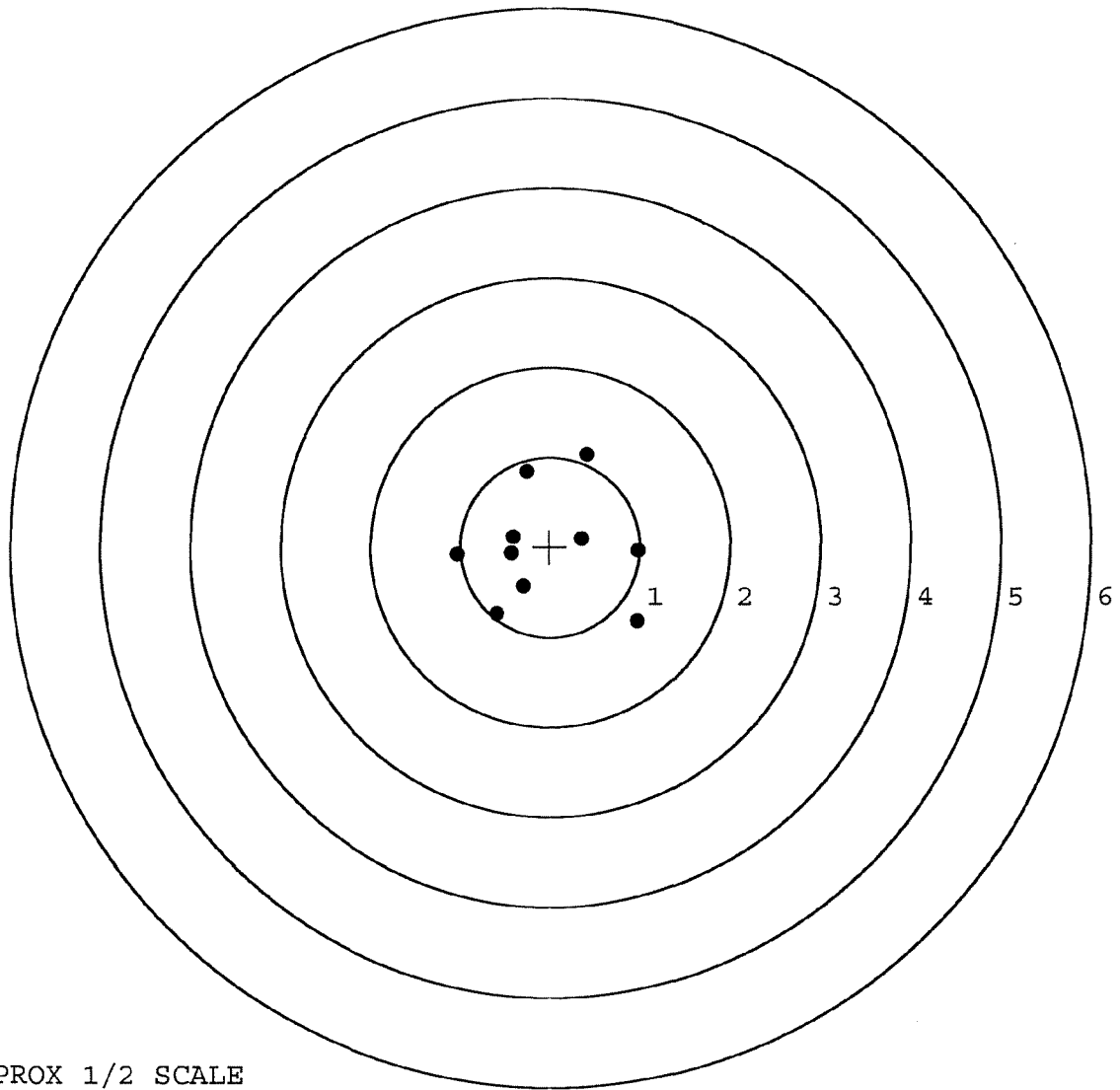
MAX RADIUS: 1.291

MEAN RADIUS: 0.796

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0042905

SERIAL NUMBER: C6348970. __0

TARGET NUMBER: 5

FILE DATE: 05/19/2005

FILE TIME: 07:59

POINT#	X	Y
1:	0.075	0.740
2:	-0.529	0.461
3:	-0.234	0.354
4:	-1.204	0.265
5:	-0.708	-0.103
6:	-0.792	-0.371
7:	-1.755	-1.041
8:	-0.284	-0.056
9:	0.531	-0.379
10:	1.125	0.305

X CENTROID: -0.377

Y CENTROID: 0.018

POA TO CENTROID: 0.378

HORZ SPREAD: 2.880

VERT SPREAD: 1.781

GROUP SPREAD: 3.179

MIN RADIUS: 0.119

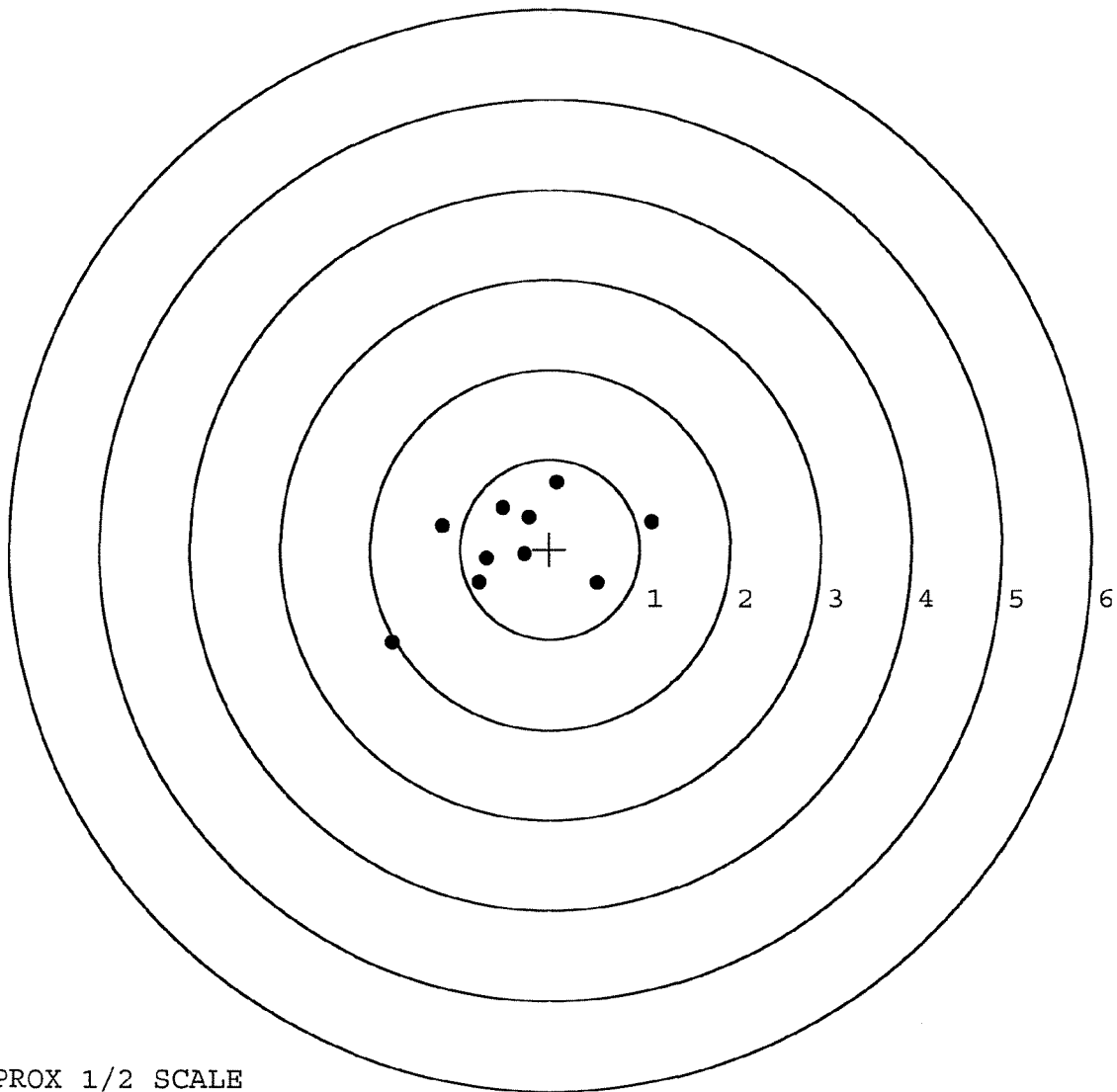
MAX RADIUS: 1.737

MEAN RADIUS: 0.785

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

R & E NUMBER	92922		
SERIAL NUMBER	C6348970		
LOG-IN DATE	92922		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-25-05	RTZ
560 A	RE-BARREL	5-3-05	RTZ
B	DRILL AND TAP	5-5-05	TRW
575	ASSEMBLE	5-3-05	RTZ
600	PROOF	5-4-05	AK
605	CHECK HEADSPACE	5-4-05	AK
610	DIS-ASSEMBLE GUN	5-6-05	RTZ
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	5-9-05	CW
618	ROTO-BLAST	5-9-05	LB
620	APPLY COATINGS	5-16-05	WJ
625 A	FINAL ASSEMBLY	5-18-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	5-24-05	5-24-05 AK
D	SAFETY "OFF" FORCE	5-24-05	AK
E	FIRING PIN INDENT	5-24-05	AC
640	TARGET	5-19-05	AC
655	FINAL INSPECT	5-24-05	AC
660	PACK	5-25-05	AK
		SHIP DATE	
		QAR INSPECTION DATE	

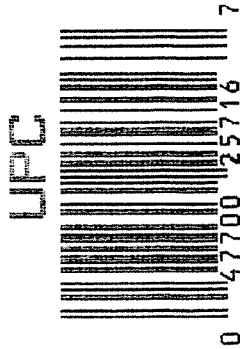
Remington®

REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

SERIAL NO. C6348970	ORDER NO. 5716
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CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6348970

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	RW
600	Proof	9 26	89	RW
607	Check Headspace	9 26	89	RW
610	Dis-assemble Gun	9 26	89	RW
612	Magnaflux Barrel Action	9/29/89		KCR
	Magnaflux Bolt	9/29/89		KCR
615	Rollmark Caliber	9/29/89		LB
7	Drill and Tap Sight Holes	9 29	89	LB
618	Polish Barrel LB	9 29	89	BT
620	Apply Coatings (Barrel Action)		10-11-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/12/89	RW
	C) Inspect Ejector Hole for Chamfer		10/12/89	RW
	D) Oil Firing Pin Ass'y		10/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		200589	qjg

BARBER - M24 0042909								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	10/23/89	JP		
	G) Safety Off Force	4	4	4	10/23/89	JP		
	H) Trigger Pull Test & Retainability				20 Oct 89	JP		
	I) Firing Pin Indent	.021	.021	.022	10/23/89	JP		
	J) Assemble Stock				11/6/89	RW		
	K) Assemble Swivel Studs				13 Nov 89	JP		
	L) Attach Front and Rear Sight Assemblies				11/6/89	RW		
	M) Iron Sight Alignment				11/6/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/6/89	RW		
	O) Attach Scope to Rifle				11/6/89	JP		
	P) Detach & Attach Scope 20 Times				11/6/89	JP		
640	Gallery Target & Test				11-8-89	D/H		
	A) Time				11-8-89	D/H		
	B) Malfunctions				11-8-89	D/H		
	C) Pierced Primers				11-8-89	D/H		
	D) Optical Clarity of Scope				11-8-89	D/H		
645	Inspect for Live Ammo				11-8-89	D/H		
655	Final Inspection							
	A) Headspace				13 Nov 89	JP		
	B) Trigger Pull	219	230	210	242	233	13 Nov 89	JP
	C) Function						13 Nov 89	JP
660	Pack						15 Dec 89	JP

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348970

DATE 12 Mar 90

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	259	230		238	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	256	242		227	
PULL #3	257	238		226	
PULL #4	255	234		222	
PULL #5	253	242		223	
TOTAL	1280	1186			
AVG.	256	237.2			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	327	340		
PULL #2	342	332		
PULL #3	327	334		
PULL #4	339	333		
PULL #5	340	336		
TOTAL	1675	1675		
AVG.	335	335		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	427	409		
PULL #2	398	410		
PULL #3	425	408		
PULL #4	426	408		
PULL #5	396	415		
TOTAL	2072	2050		
AVG.	414.4	410		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348970
10 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.283177
1 TO	2	.680342
1 TO	3	.631086
1 TO	4	.850459
1 TO	5	.583789

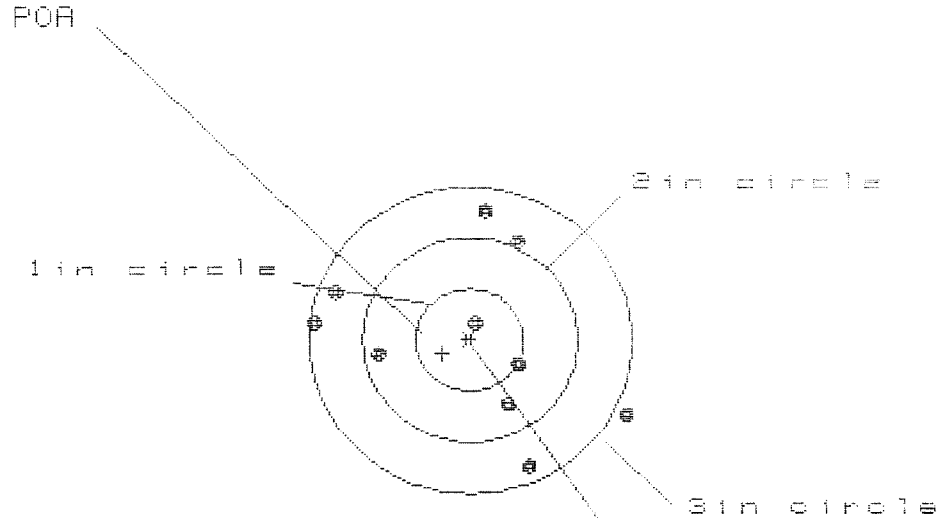
$\bar{x} + l$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.258
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0234
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .259059
THE AMR FOR THIS RIFLE IS: .8828

18 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08346370

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS = 2.873

VS = 2.422

GS = 3.023

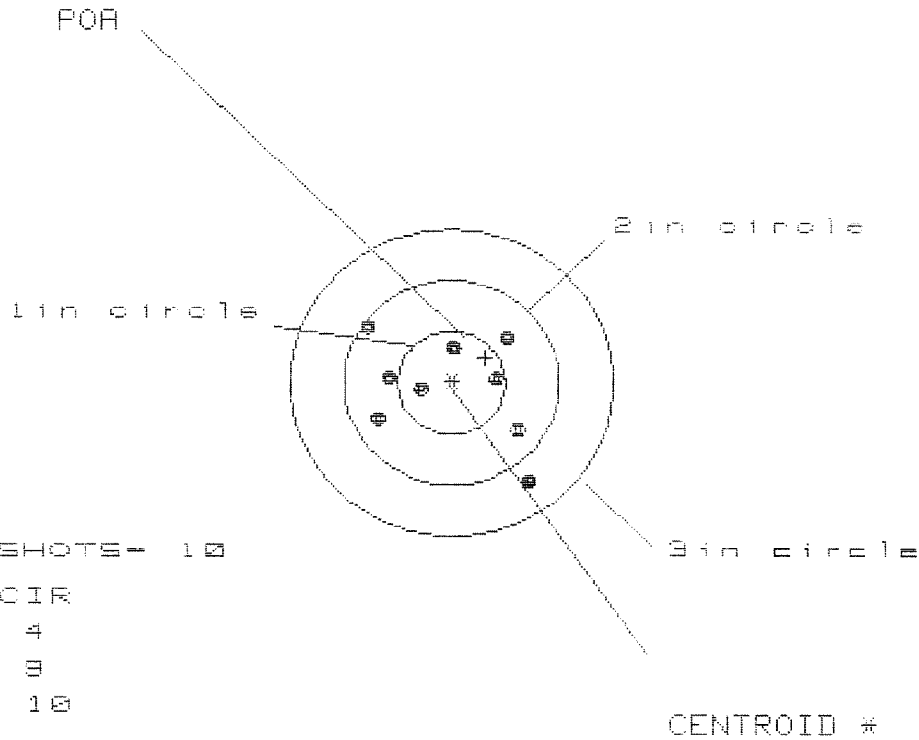
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.473	.761	.607
MINIMUM X	-1.400	-1.237	-1.216
MAXIMUM Y	1.239	1.156	1.170
MINIMUM Y	-1.183	-1.266	-1.252
CENTROID X	.250	.087	.241
CENTROID Y	.133	.216	.202
POA TO CENTROID in.	.283	.233	.315
MIN RADIUS	.139	.218	.084
MEAN RADIUS	1.021	.954	.889
MAX RADIUS	1.651	1.477	1.392
HORIZONTAL SPREAD	2.873	1.998	1.823
VERTICAL SPREAD	2.422	2.422	2.422
EXTREME SPREAD	3.023	2.460	2.460
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.472

VS= 1.521

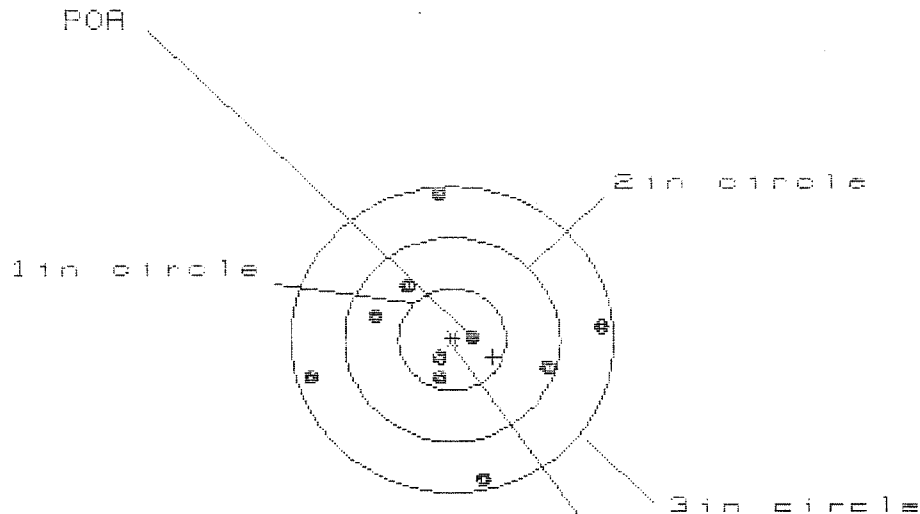
GS= 2.117

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.720	.668	.584
MINIMUM X	:	-.752	-.672	-.643
MAXIMUM Y	:	.550	.442	.411
MINIMUM Y	:	-.971	-.564	-.509
CENTROID X	:	-.317	-.397	-.313
CENTROID Y	:	-.243	-.135	-.190
POA TO CENTROID in.	:	.399	.419	.366
MIN RADIUS	:	.323	.241	.286
MEAN RADIUS	:	.634	.546	.516
MAX RADIUS	:	1.209	.874	.774
HORIZONTAL SPREAD	:	1.472	1.340	1.227
VERTICAL SPREAD	:	1.521	1.006	.920
EXTREME SPREAD	:	2.117	1.676	1.412
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 10

HS = 2.710

VS = 2.809

GS = 2.831

CENTROID *

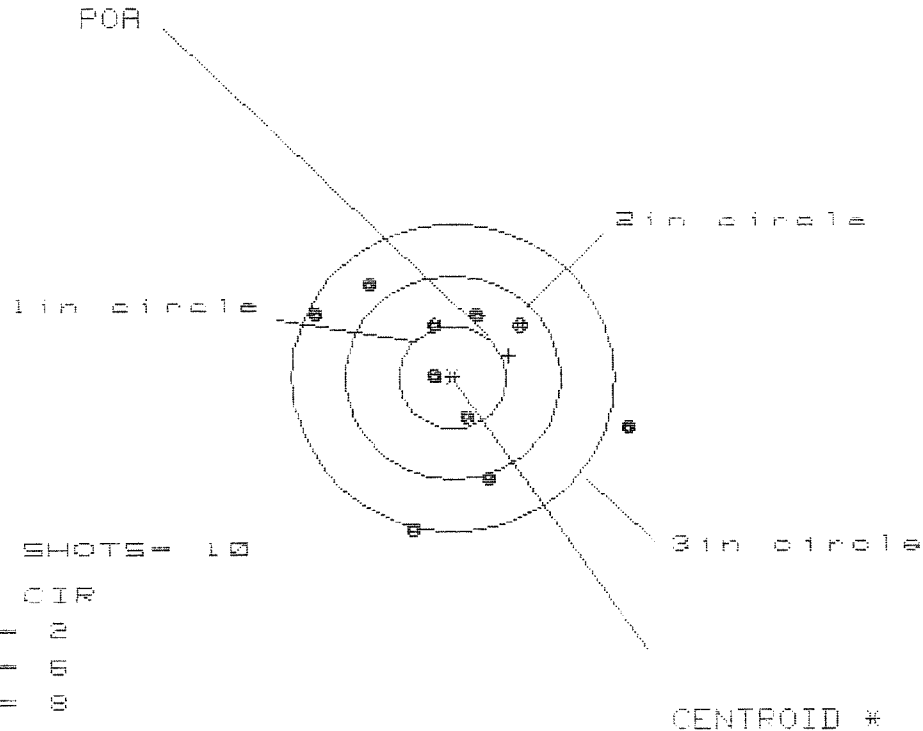
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.404	1.395	1.016
MINIMUM X	-1.306	-1.315	-1.140
MAXIMUM Y	1.461	.738	.776
MINIMUM Y	-1.348	-1.185	-1.147
CENTROID X	-.380	-.371	-.546
CENTROID Y	.170	.007	-.031
POA TO CENTROID in.	.416	.371	.547
MIN RADIUS	.173	.090	.097
MEAN RADIUS	.869	.786	.697
MAX RADIUS	1.463	1.429	1.231
HORIZONTAL SPREAD	2.710	2.710	2.156
VERTICAL SPREAD	2.809	1.923	1.923
EXTREME SPREAD	2.831	2.752	2.158
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS

4



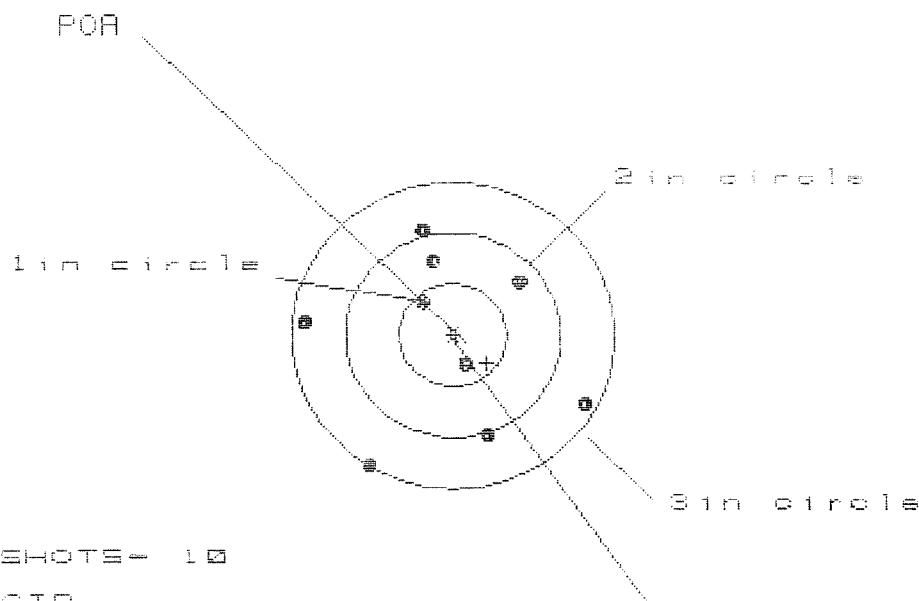
HS= 2.941
 VS= 2.366
 GS= 3.161

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.660
MINIMUM X	-1.281
MAXIMUM Y	.911
MINIMUM Y	-1.455
CENTROID X	-.526
CENTROID Y	-.215
POA TO CENTROID in.	.568
MIN RADIUS	.215
MEAN RADIUS	.955
MAX RADIUS	1.733
HORIZONTAL SPREAD	2.941
VERTICAL SPREAD	2.366
EXTREME SPREAD	3.161
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 2.614

VS= 2.281

CS= 2.733

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.251	1.168	.658
MINIMUM X	-1.363	-1.446	-1.300
MAXIMUM Y	1.048	.911	.806
MINIMUM Y	-1.233	-1.086	-1.191
CENTROID X	-.317	-.234	-.379
CENTROID Y	.272	.409	.514
POA TO CENTROID in.	.418	.471	.639
MIN RADIUS	.317	.425	.269
MEAN RADIUS	.935	.855	.761
MAX RADIUS	1.443	1.447	1.308
HORIZONTAL SPREAD	2.614	2.614	1.959
VERTICAL SPREAD	2.281	1.997	1.997
EXTREME SPREAD	2.733	2.733	2.081
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		