

06348970

MODEL 700TM N24

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TOTAL RETENTION: UNTIL SUPERSEDED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

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400042929

Address Information

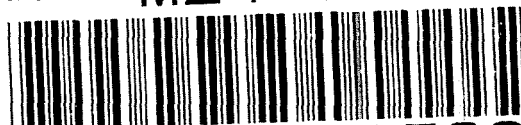
FFL: [] [] [] [] [] [] []

Close

nagletj
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

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

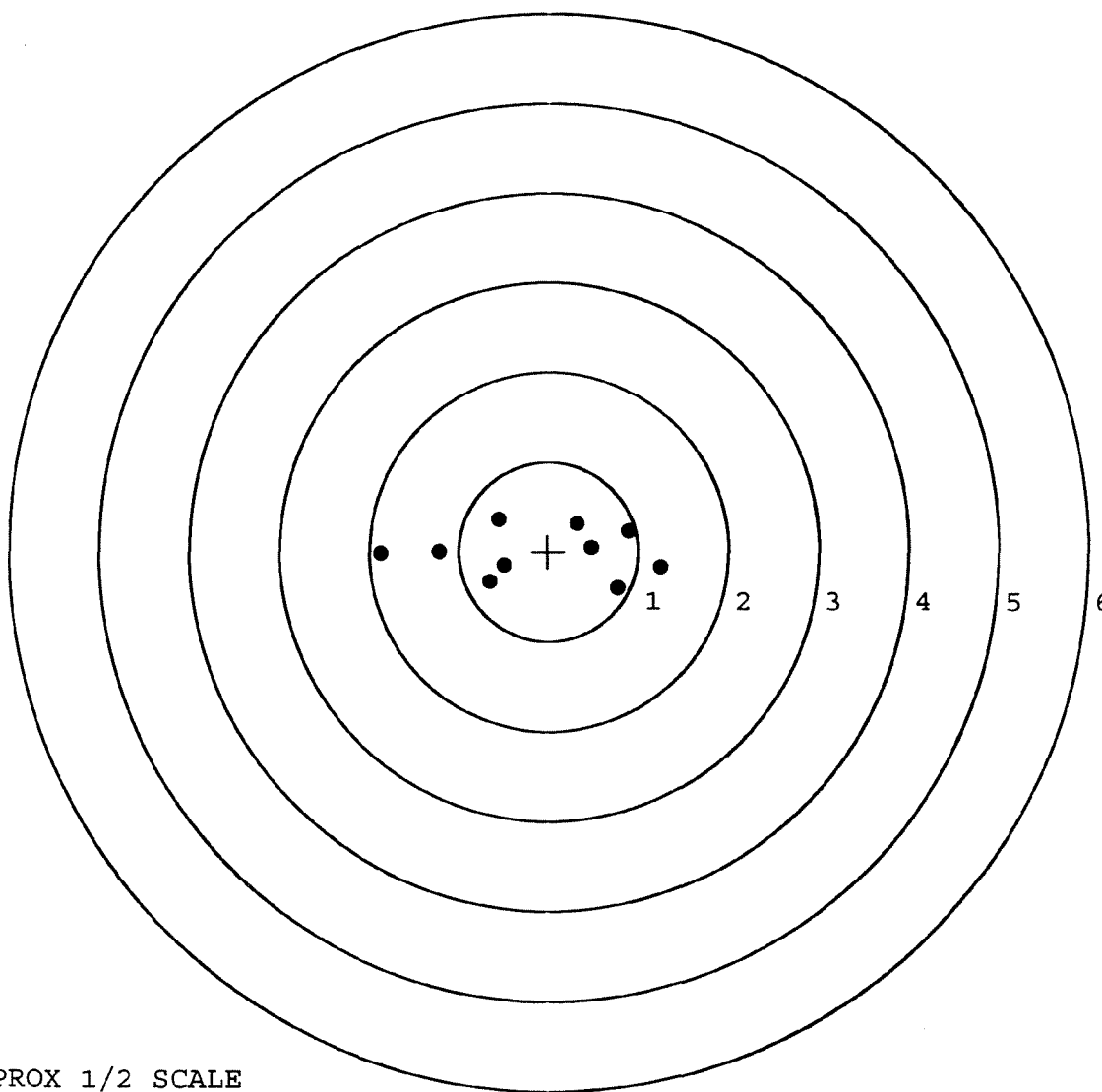
MAX RADIUS: 1.758

MEAN RADIUS: 0.902

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

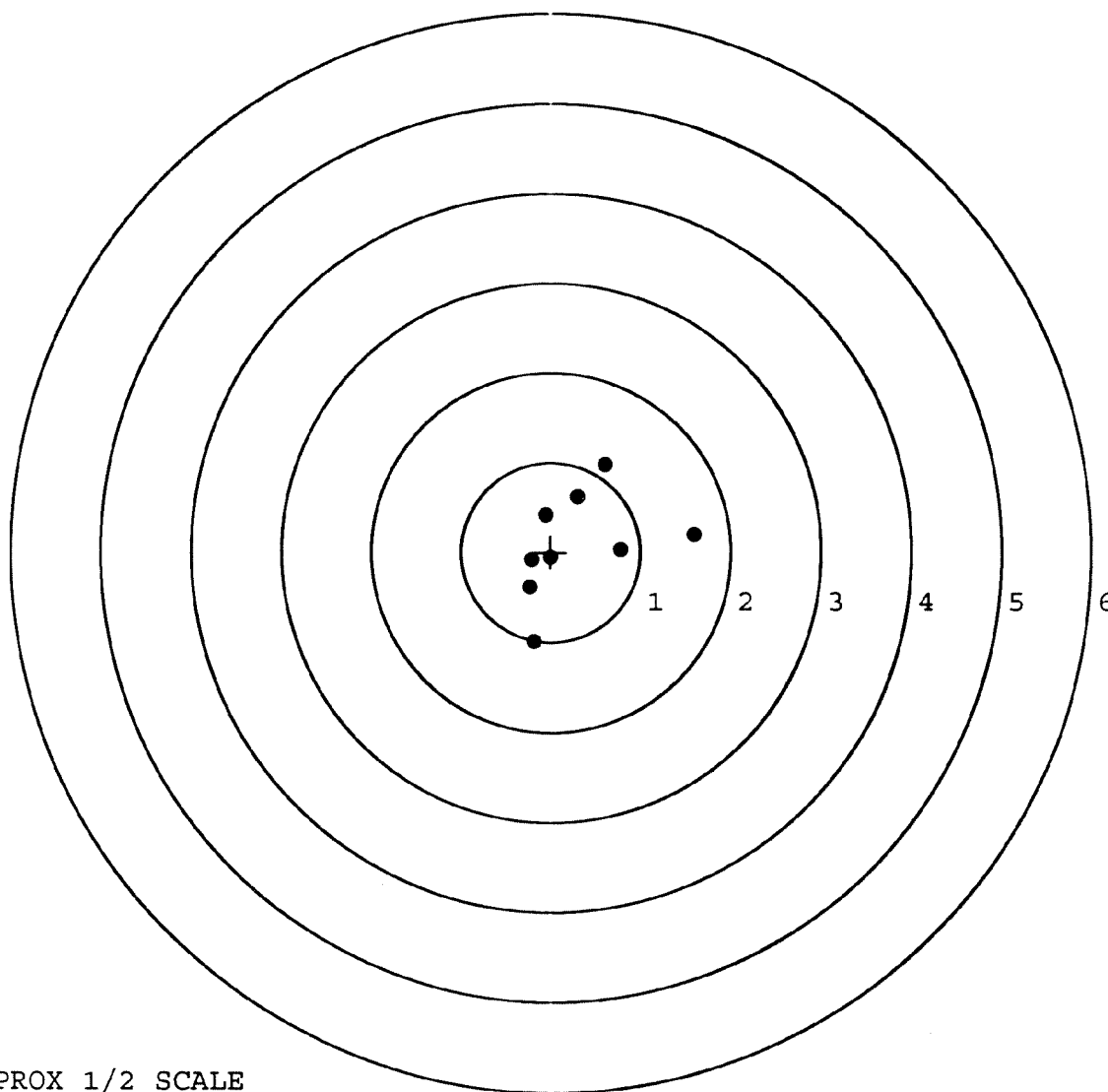
MAX RADIUS: 1.306

MEAN RADIUS: 0.725

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

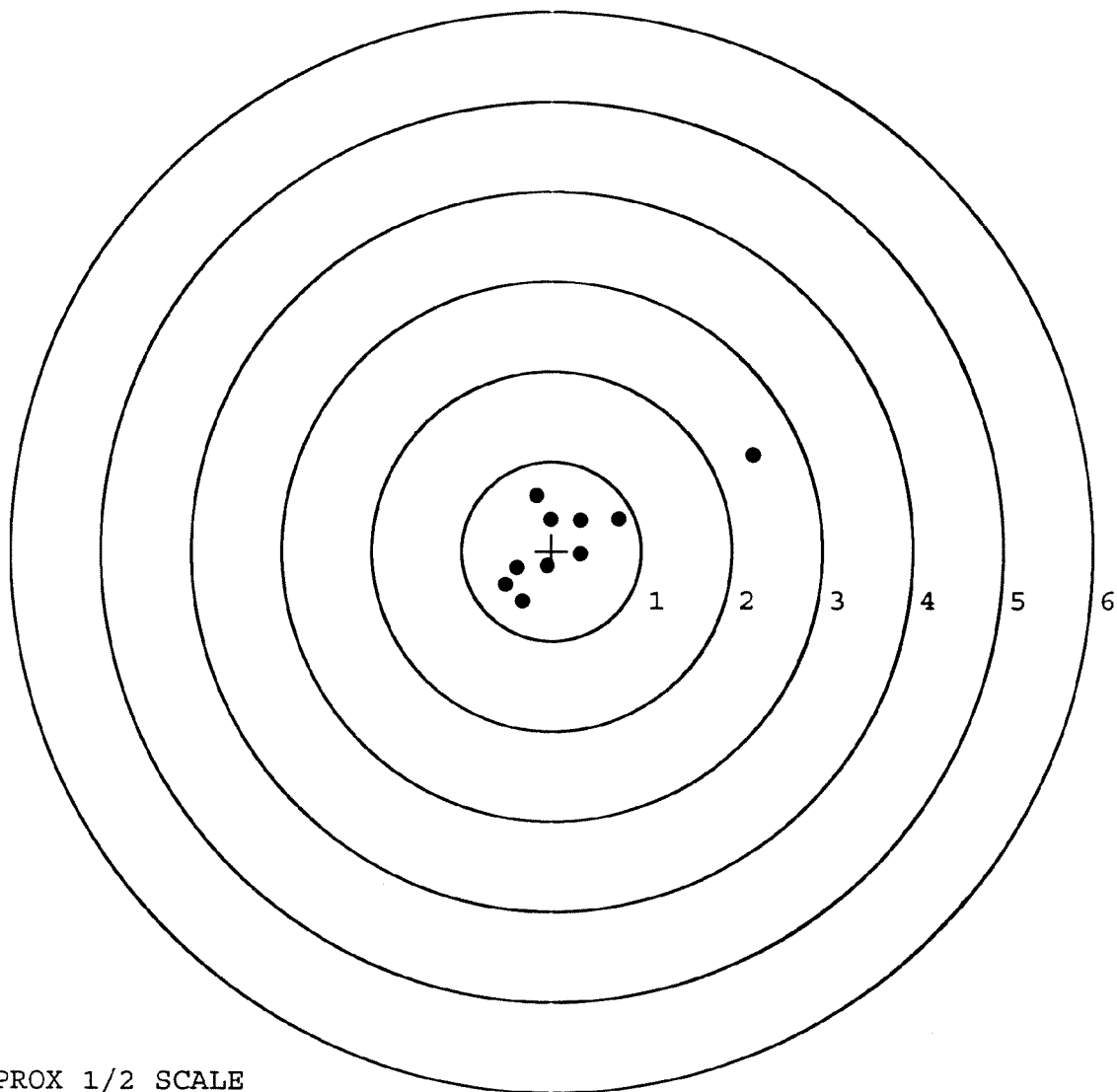
MAX RADIUS: 2.219

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

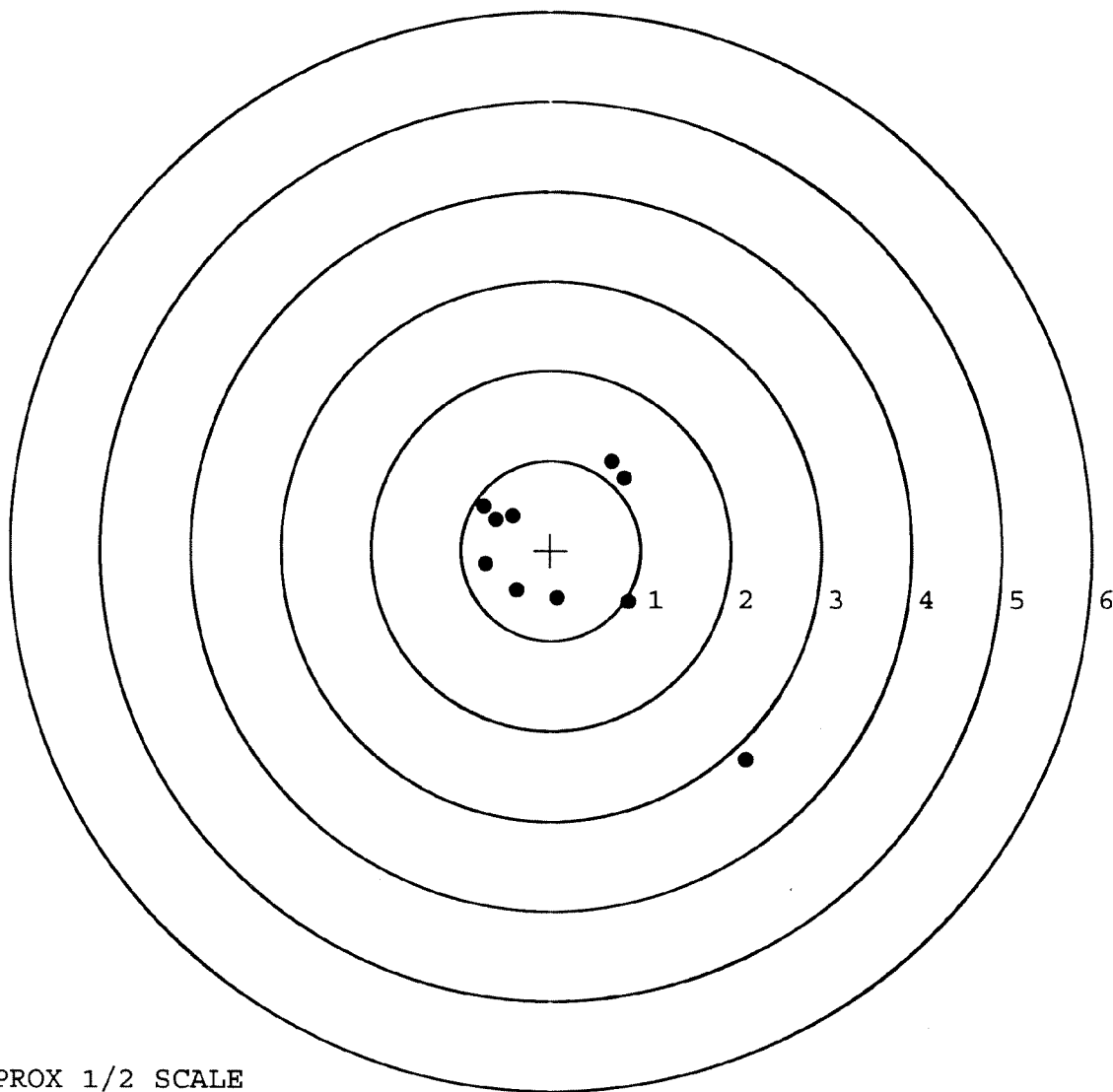
MAX RADIUS: 2.985

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

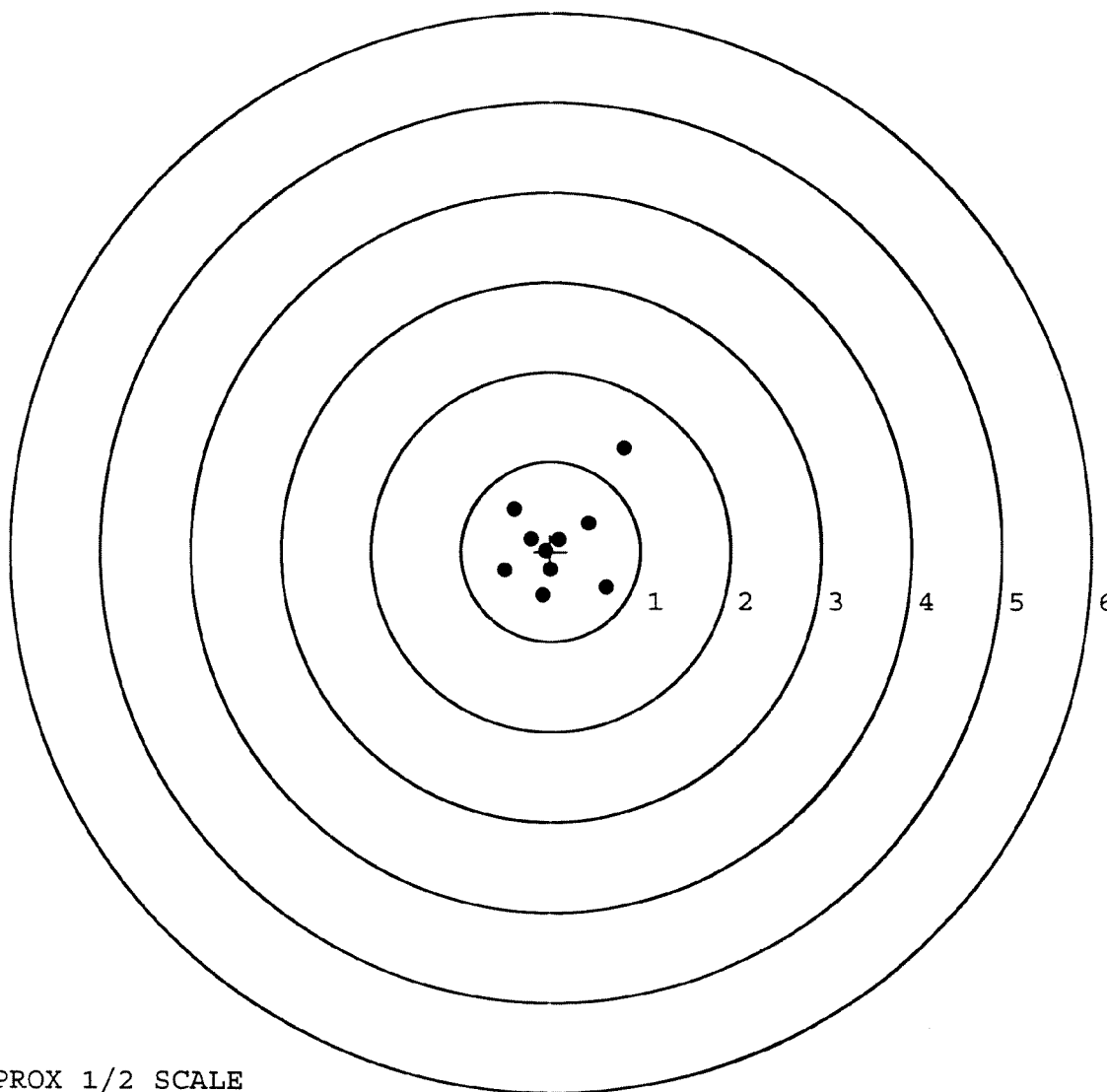
MAX RADIUS: 1.298

MEAN RADIUS: 0.514

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 00136592

SERIAL NUMBER C 6348970

LOG-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 2-25-08 2-24-08 2-25-08 2-26-08 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

MAGNA - FLUX
FEB 07 2008
OPERATOR TRW

N/A

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

Address Information

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

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: [REDACTED] Address 2: [REDACTED] PO Box: [REDACTED]

City: ANNISTON ANNISTON

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

log off 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

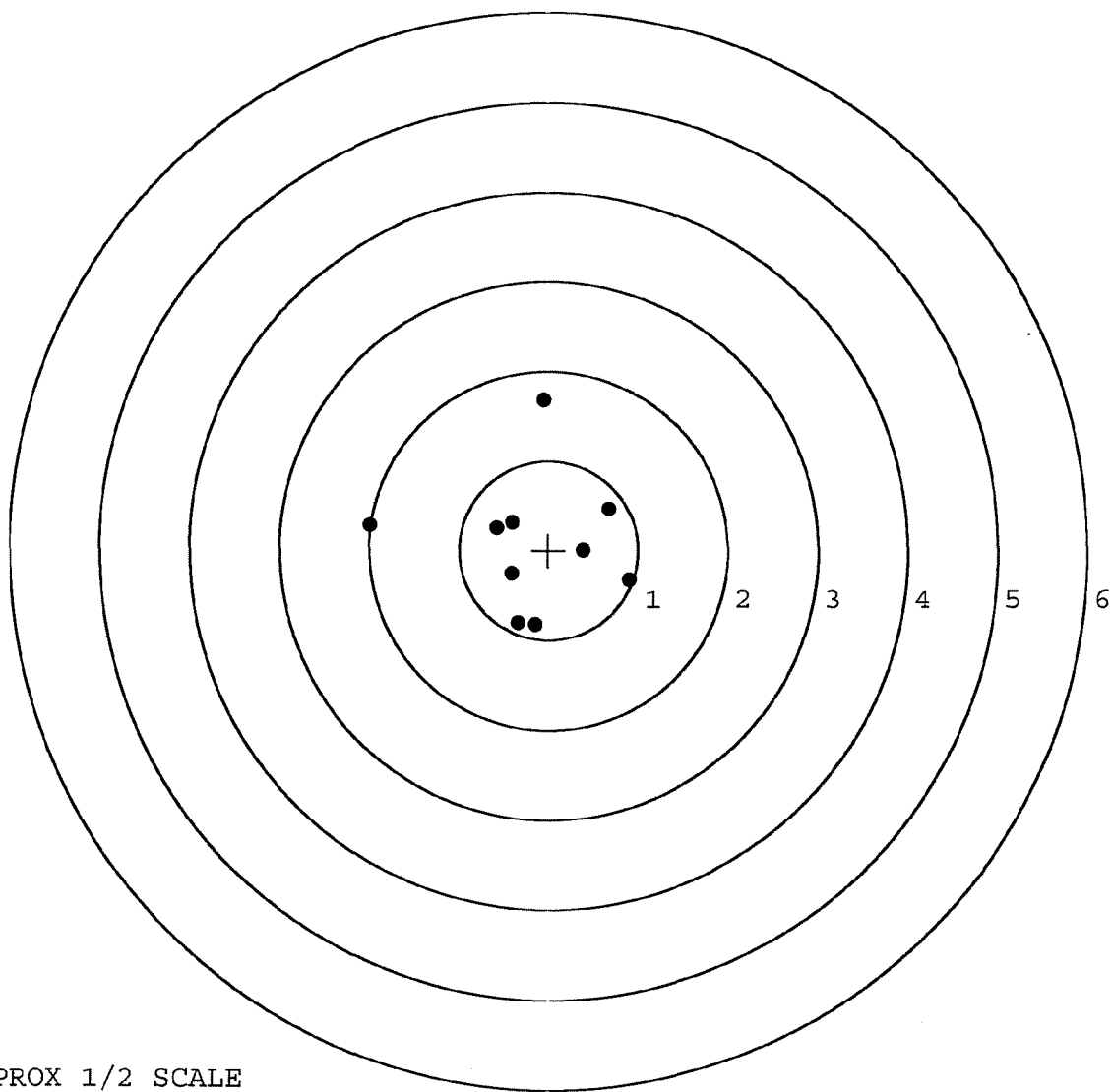
FILE DATE AND TIME: 05/19/2005 07:59

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

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
X CENTROID:	5:	-0.579	0.252
Y CENTROID:	6:	-0.401	0.313
POA TO CENTROID:	7:	0.393	0.006
HORZ SPREAD:	8:	0.901	-0.339
VERT SPREAD:	9:	0.681	0.466
GROUP SPREAD:	10:	-0.047	1.678
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

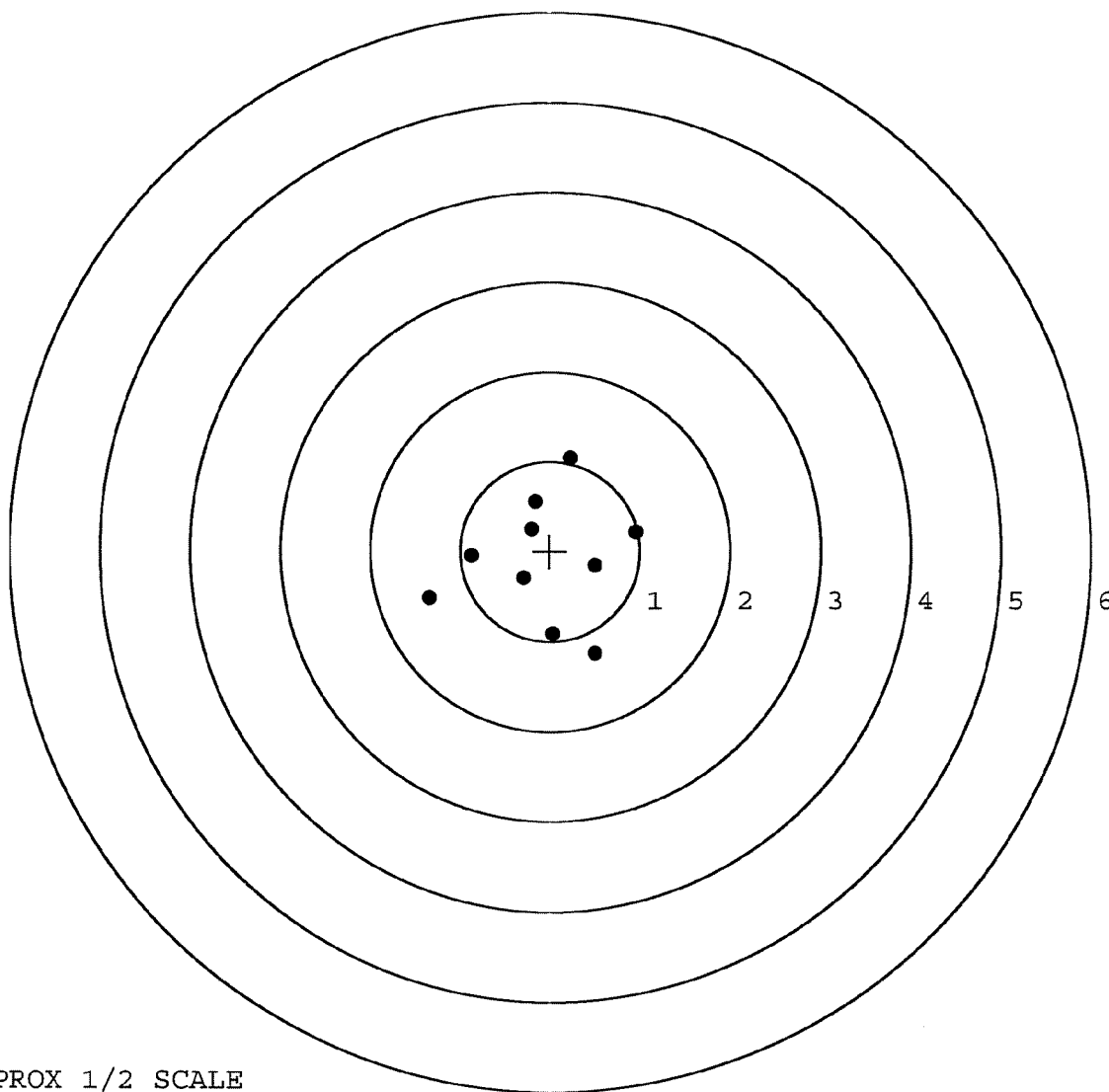


TARGET APPROX 1/2 SCALE

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

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

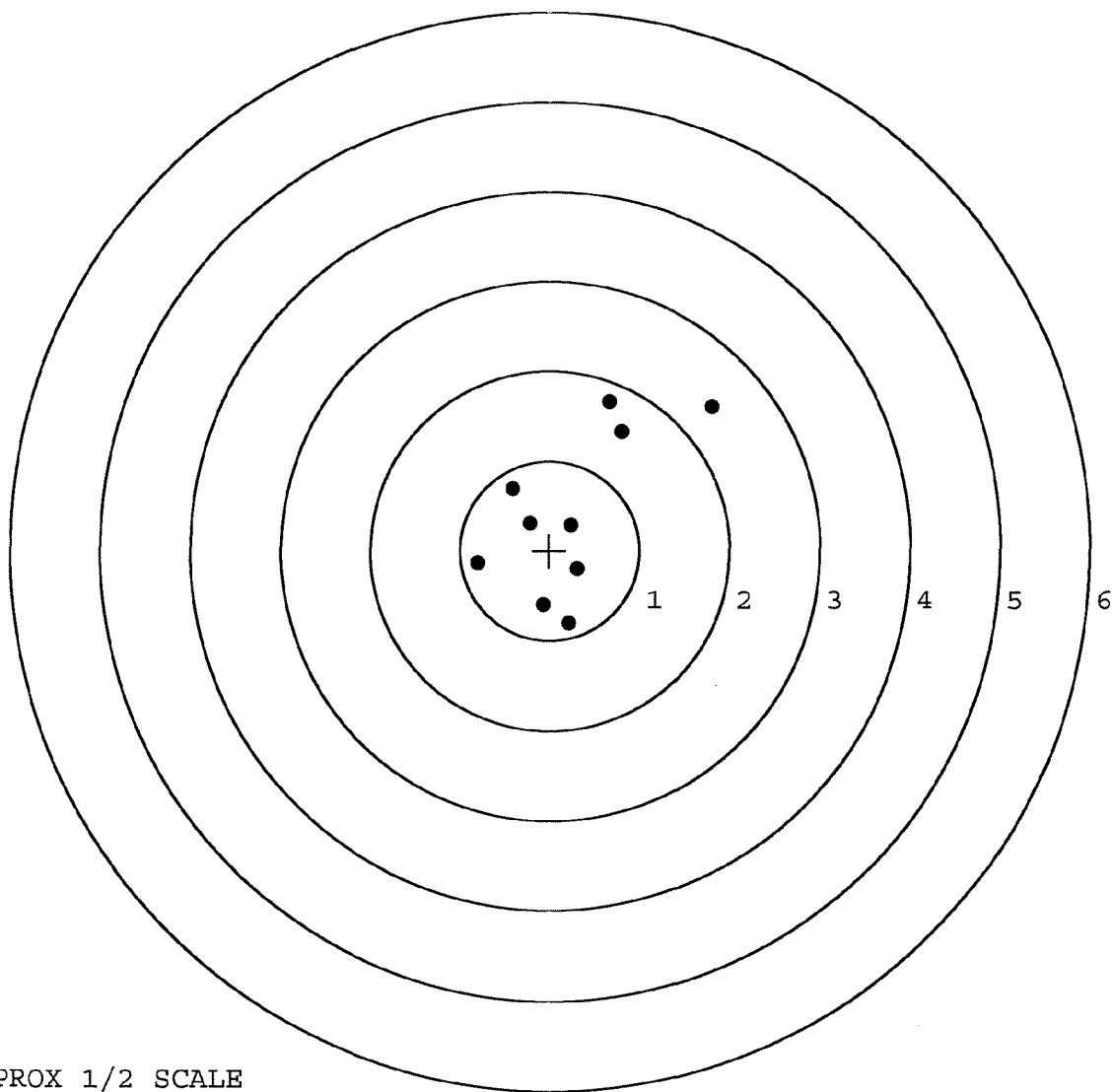
MAX RADIUS: 1.960

MEAN RADIUS: 0.979

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

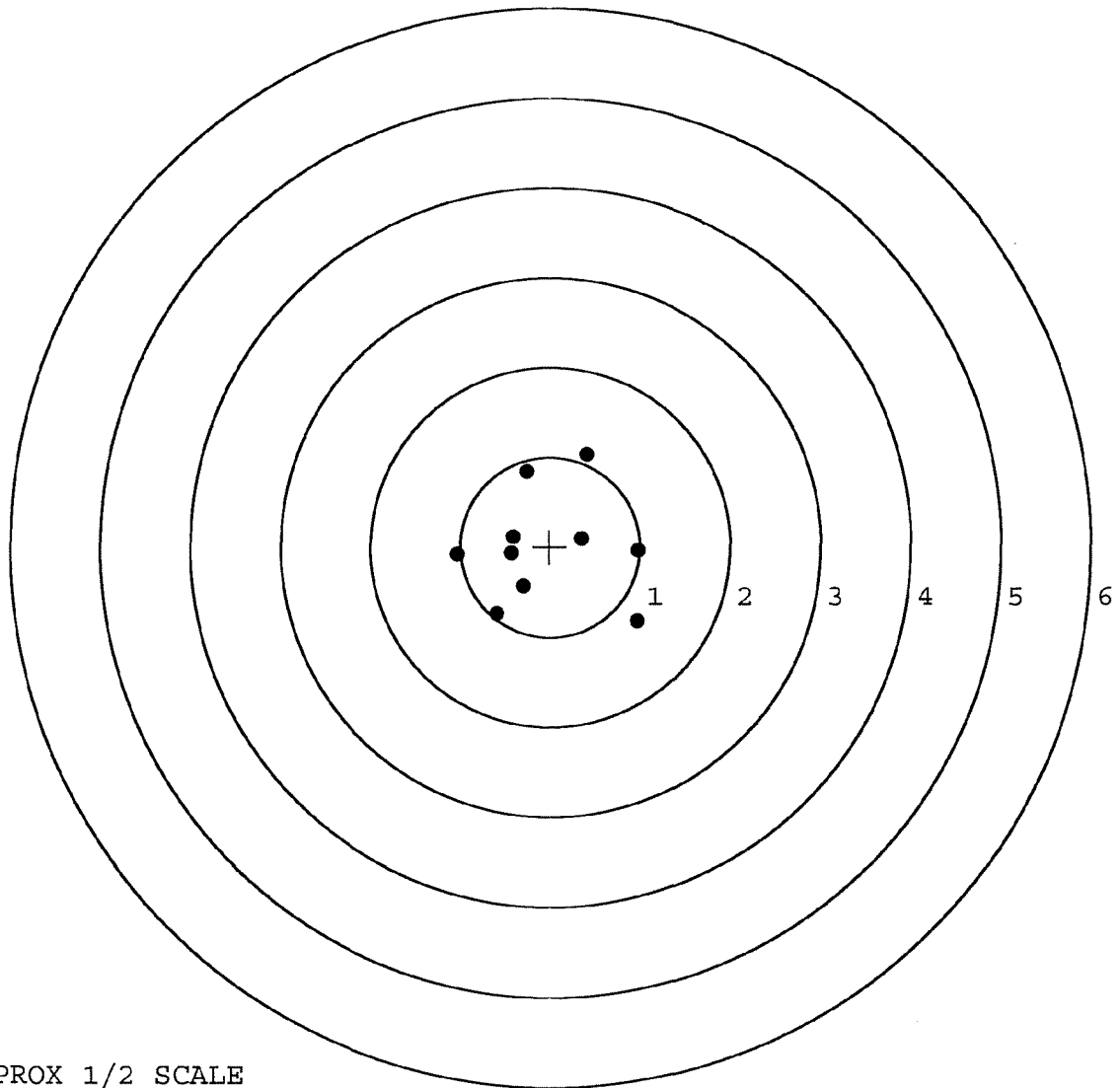
MAX RADIUS: 1.291

MEAN RADIUS: 0.796

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

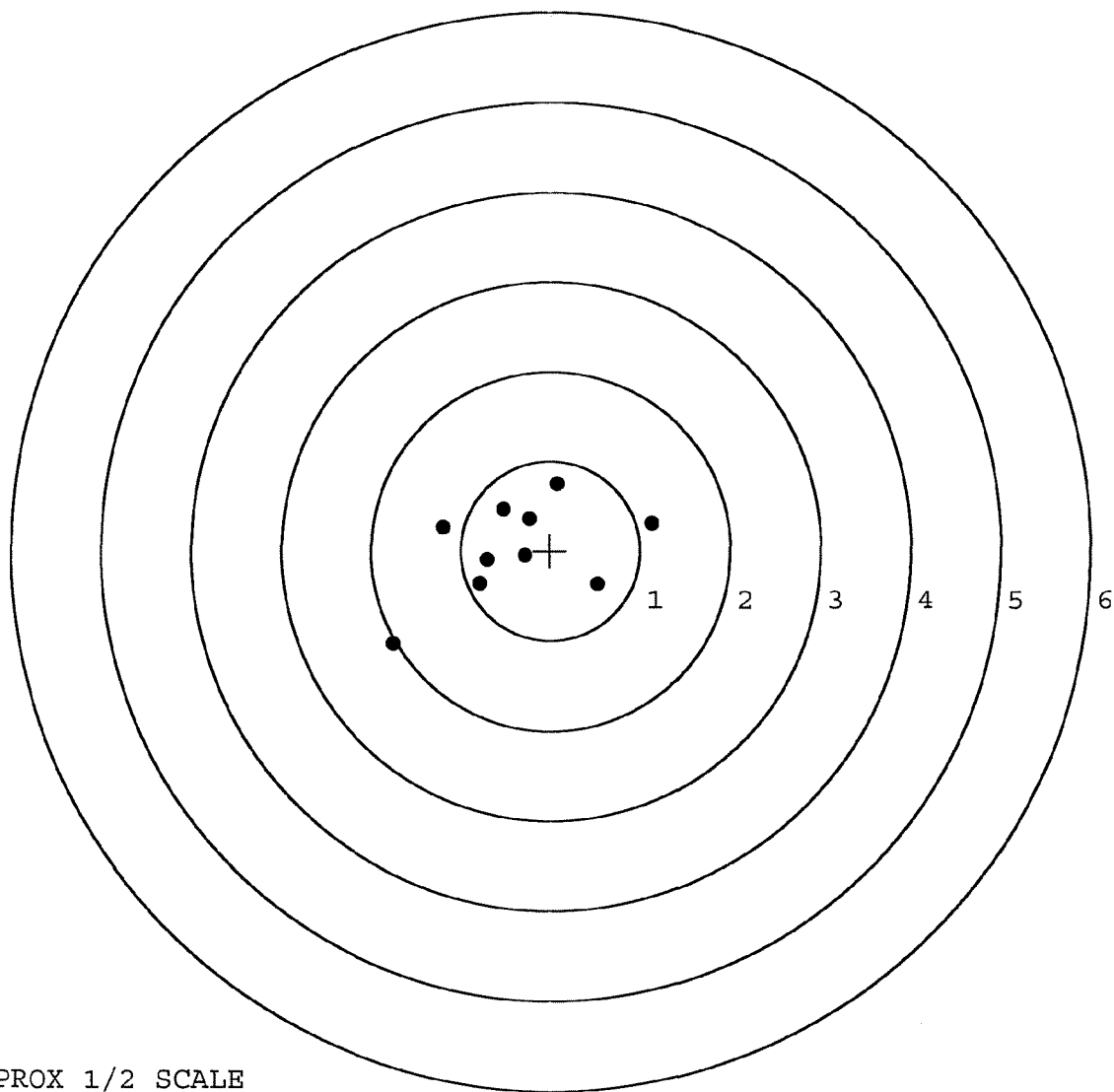
MAX RADIUS: 1.737

MEAN RADIUS: 0.785

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

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

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

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

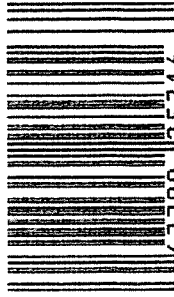
SERIAL NO. C6348970	ORDER NO. 5716
-------------------------------	--------------------------

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



5716 C6348970

LPC



0 47700 25716 7

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

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	10/23/89	JAP		
	G) Safety Off Force	4	4	4	10/23/89	JL		
	H) Trigger Pull Test & Retainability				20 Oct 89	JL		
	I) Firing Pin Indent	.021	.021	.022	10/23/89	JL		
	J) Assemble Stock				11/6/89	RW		
	K) Assemble Swivel Studs				13 Nov 89	JL		
	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	JL		
	P) Detach & Attach Scope 20 Times				11/6/89	JL		
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	JL		
	B) Trigger Pull	219	230	210	242	233	13 Nov 89	JL
	C) Function						13 Nov 89	JL
660	Pack						15 Dec 89	JL

SWS TRIGGER PULL TEST

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

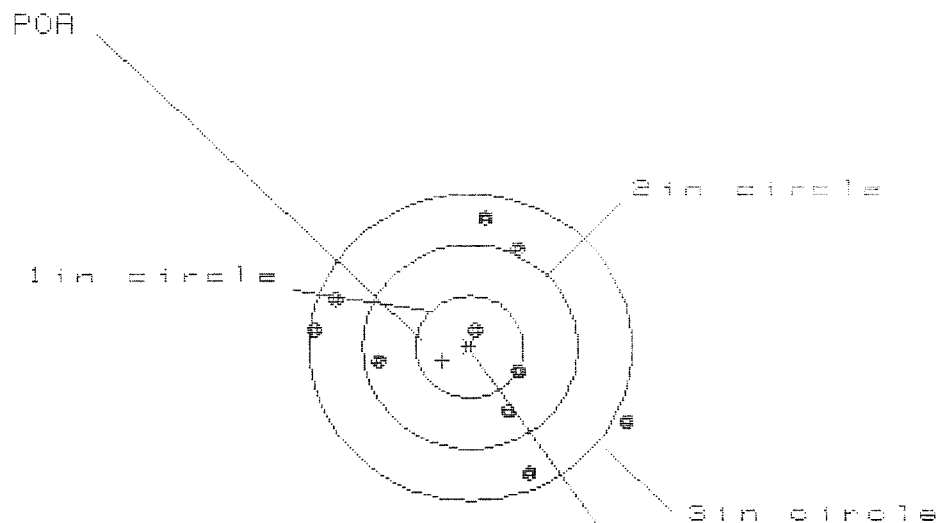
$\frac{x}{12} + l$ <----POA

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/C8346370

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 9

HS = 2.873

VS = 2.422

GS = 3.023

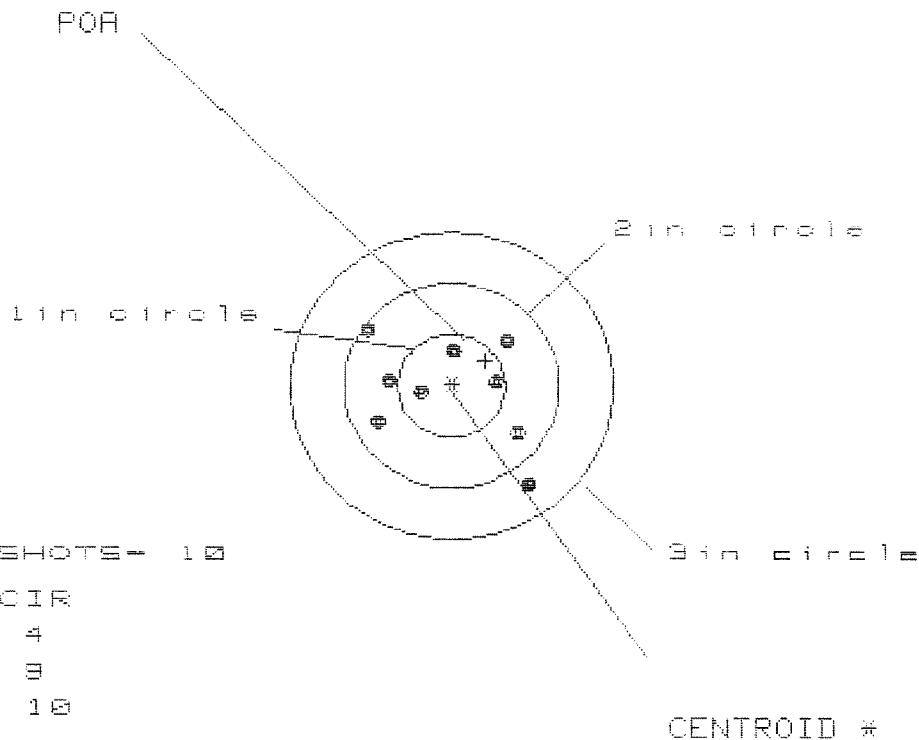
CENTROID #

PATTERN #	:	1		
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
POR 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	

18 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06348970

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.472

VS= 1.521

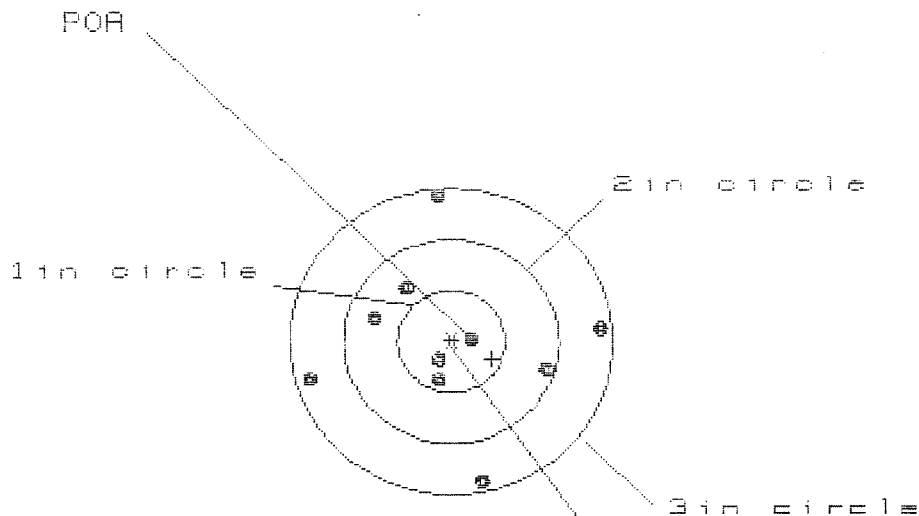
GS= 2.117

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	

10 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348970

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 10

HS = 2.710

VS = 2.809

GS = 2.831

CENTROID *

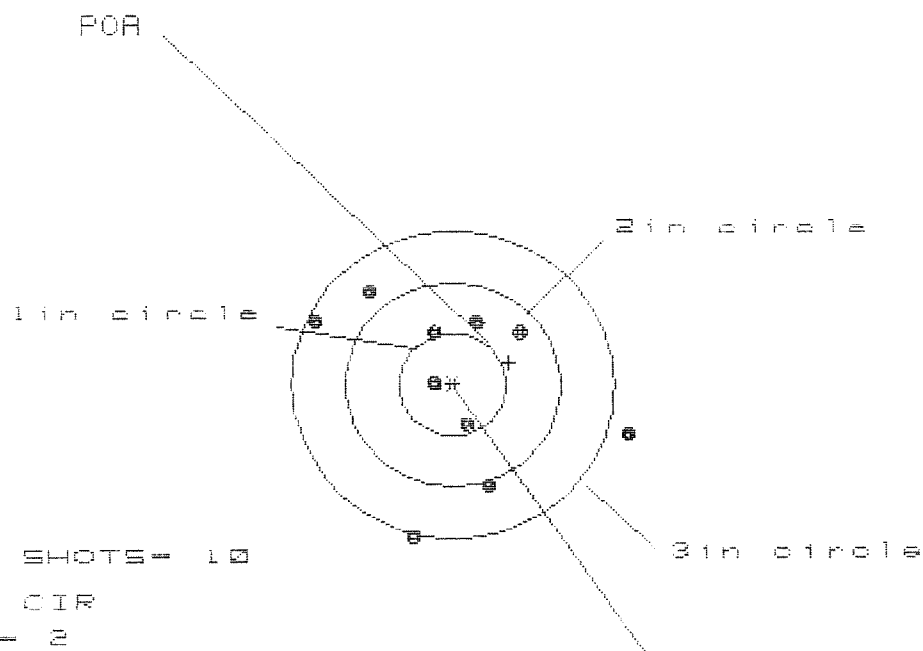
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.404	1.395	1.016
MINIMUM X	-1.306	-1.315	-1.140
MAXIMUM Y	1.461	.738	.776
MINIMUM Y	-1.348	-1.185	-1.147
CENTROID X	-.380	-.371	-.546
CENTROID Y	.170	.007	-.031
POA TO CENTROID in.	.416	.371	.547
MIN RADIUS	.173	.090	.097
MEAN RADIUS	.869	.786	.697
MAX 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		

10 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B970

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 3

HS= 2.941

VS= 2.366

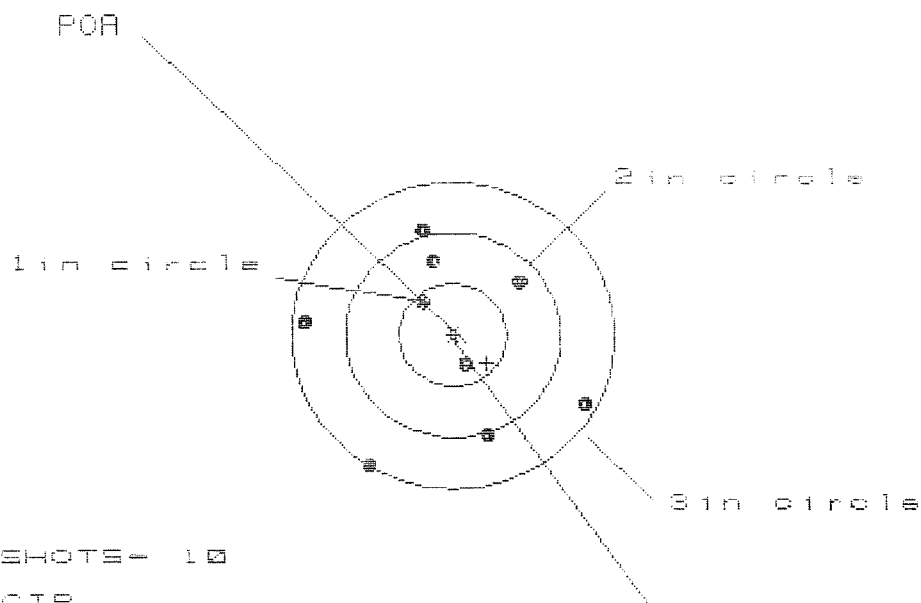
GS= 3.161

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.660	.850	.821
MINIMUM X	-1.281	-1.097	-1.126
MAXIMUM Y	.911	.856	.667
MINIMUM Y	-1.455	-1.510	-1.188
CENTROID X	-.526	-.710	-.681
CENTROID Y	-.215	-.160	.029
POA TO CENTROID in.	.568	.728	.682
MIN RADIUS	.215	.023	.189
MEAN RADIUS	.955	.843	.738
MAX RADIUS	1.733	1.528	1.266
HORIZONTAL SPREAD	2.941	1.947	1.947
VERTICAL SPREAD	2.366	2.366	1.855
EXTREME SPREAD	3.161	2.392	2.241
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

18 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348970

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

CENTROID #

PATTERN #	5	9	8
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		