



C6522176

MODEL 700™ M24

Model **SWS**™

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: **RE00112980** Serial: C6522176 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 09/19/1990 Repairman: Status: New 5/30/2006 11:24:24 AM

Address Information

Customer: Received From: Return To: Received From:

Name: C CO SPT BN SWTG (A) POC JERRY SCREEN C CO SPT BN SWTG (A) POC JERRY SCREEN

Address 1: ARMAMENT FACILITY BLDG D-1307 ARMAMENT FACILITY BLDG D-1307

Address 2: GRUBER ROAD PO Box: GRUBER ROAD 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: NA

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
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

haglet 5/31/2006 10:29 AM CAPS NUM INS SCR

start 2 Micros... 2 Micros... 3 Intern... Arms Ser... Part Sear... 10:29 AM

Serial Number: **C6522176**

Model: **M24 SWS**



RE00112980

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522176. __0

FILE DATE AND TIME: 06/29/2006 17:56

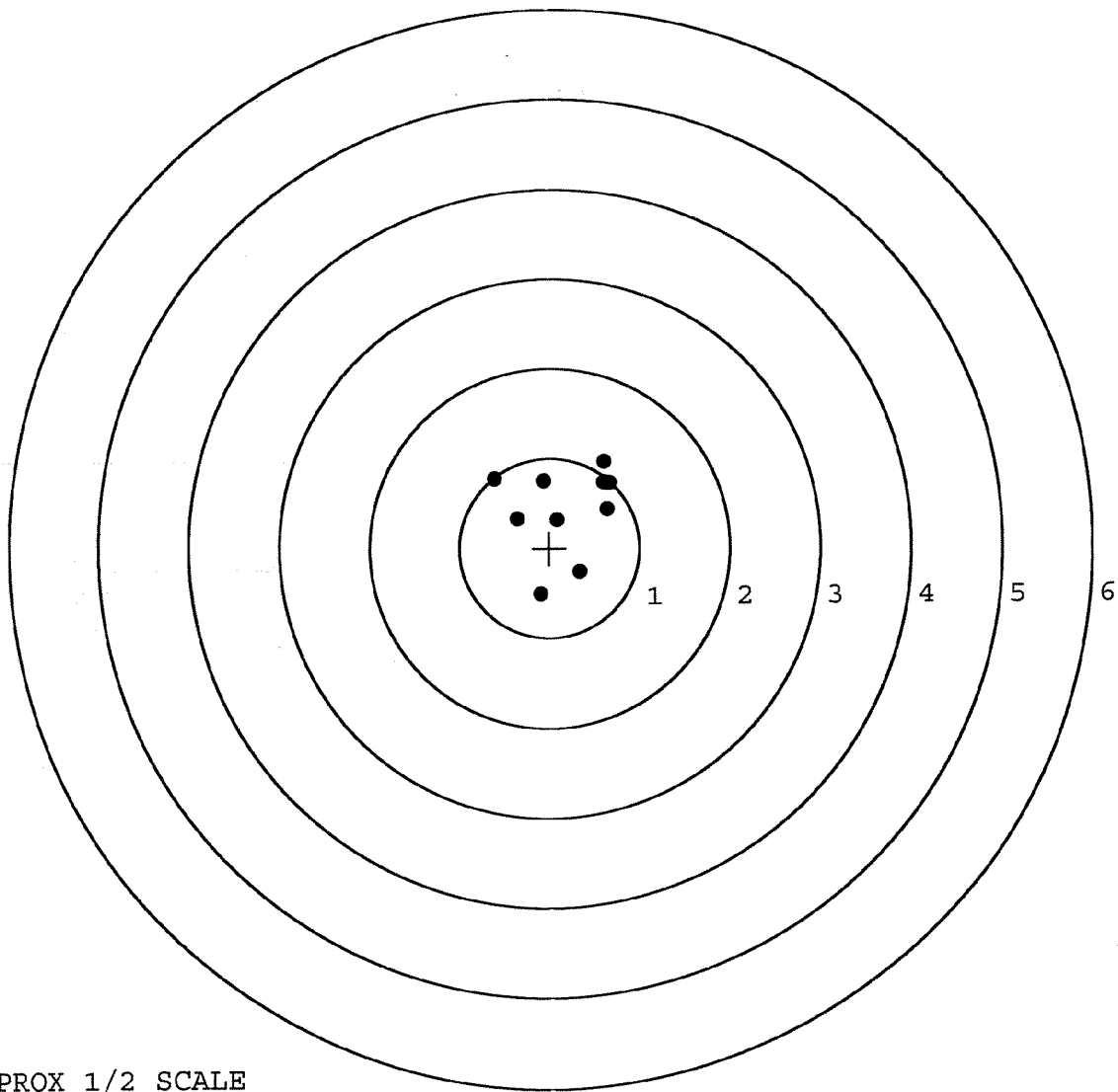
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.132
The Average Y Centroid of the Five Target Set:	0.132
The Average Point of Impact of the Five Target Set:	0.186
The Average Mean Radius of the Five Target Set:	0.564
The Distance from POA to Centroid Target #1:	0.460
The Distance from Centroid Target #2 to Centroid Target #1:	0.554
The Distance from Centroid Target #3 to Centroid Target #1:	0.372
The Distance from Centroid Target #4 to Centroid Target #1:	0.647
The Distance from Centroid Target #5 to Centroid Target #1:	0.445

SERIAL NUMBER: C6522176. __0
 TARGET NUMBER: 1
 FILE DATE: 06/29/2006
 FILE TIME: 17:56

X CENTROID: 0.182
 Y CENTROID: 0.423
 POA TO CENTROID: 0.460
 HORZ SPREAD: 1.284
 VERT SPREAD: 1.474
 GROUP SPREAD: 1.636
 MIN RADIUS: 0.140
 MAX RADIUS: 0.980
 MEAN RADIUS: 0.589
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.611	0.776
2:	-0.062	0.747
3:	-0.356	0.330
4:	0.088	0.318
5:	0.334	-0.270
6:	-0.103	-0.515
7:	0.645	0.430
8:	0.673	0.722
9:	0.602	0.728
10:	0.607	0.959

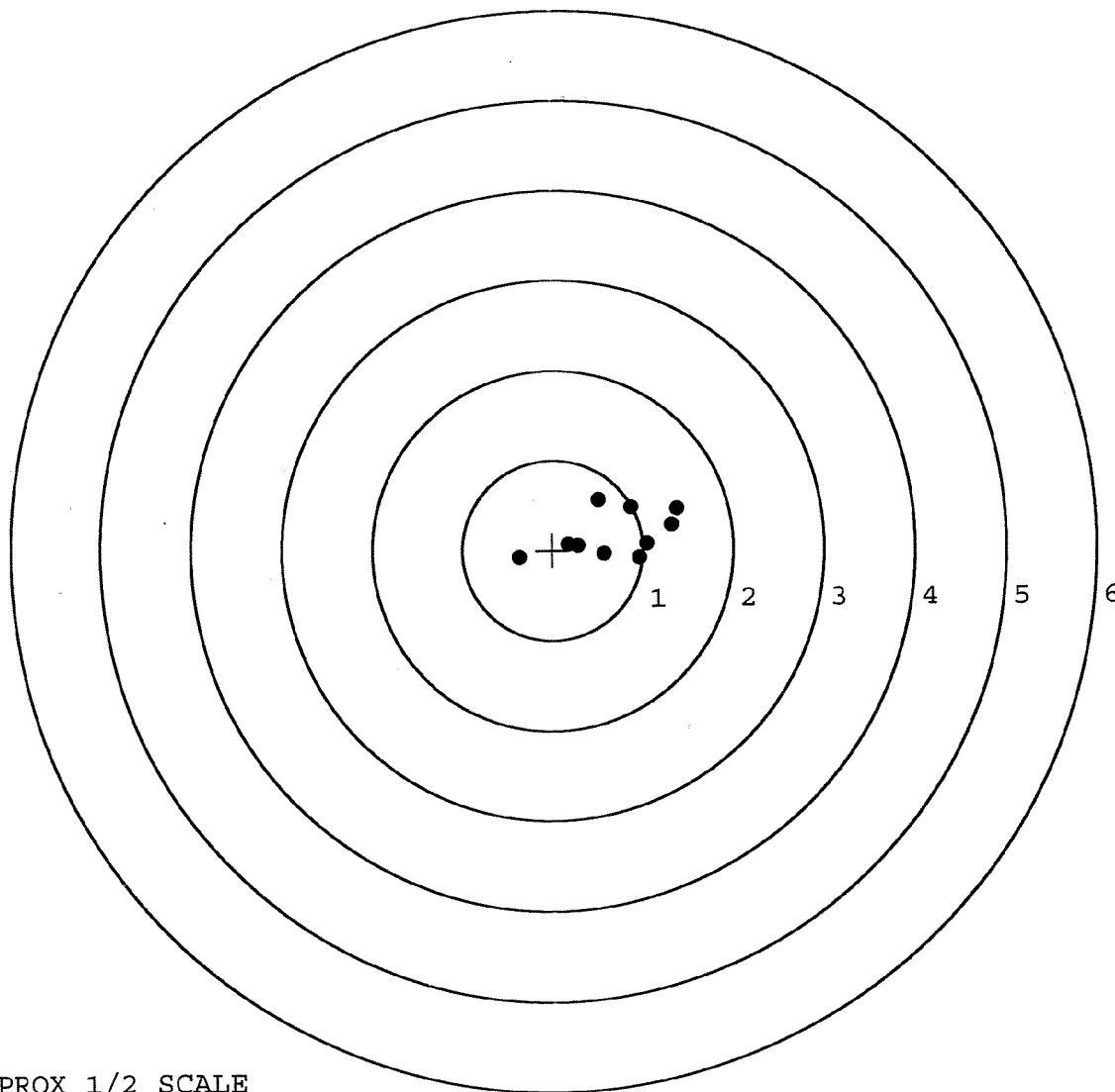


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522176. __0
 TARGET NUMBER: 2
 FILE DATE: 06/29/2006
 FILE TIME: 17:56

POINT#	X	Y
1:	0.281	0.052
2:	0.572	-0.049
3:	0.962	-0.100
4:	1.316	0.271
5:	1.379	0.448
6:	1.043	0.062
7:	0.871	0.469
8:	0.174	0.062
9:	-0.368	-0.082
10:	0.511	0.554

X CENTROID: 0.674
 Y CENTROID: 0.169
 POA TO CENTROID: 0.695
 HORZ SPREAD: 1.747
 VERT SPREAD: 0.654
 GROUP SPREAD: 1.826
 MIN RADIUS: 0.240
 MAX RADIUS: 1.072
 MEAN RADIUS: 0.520
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

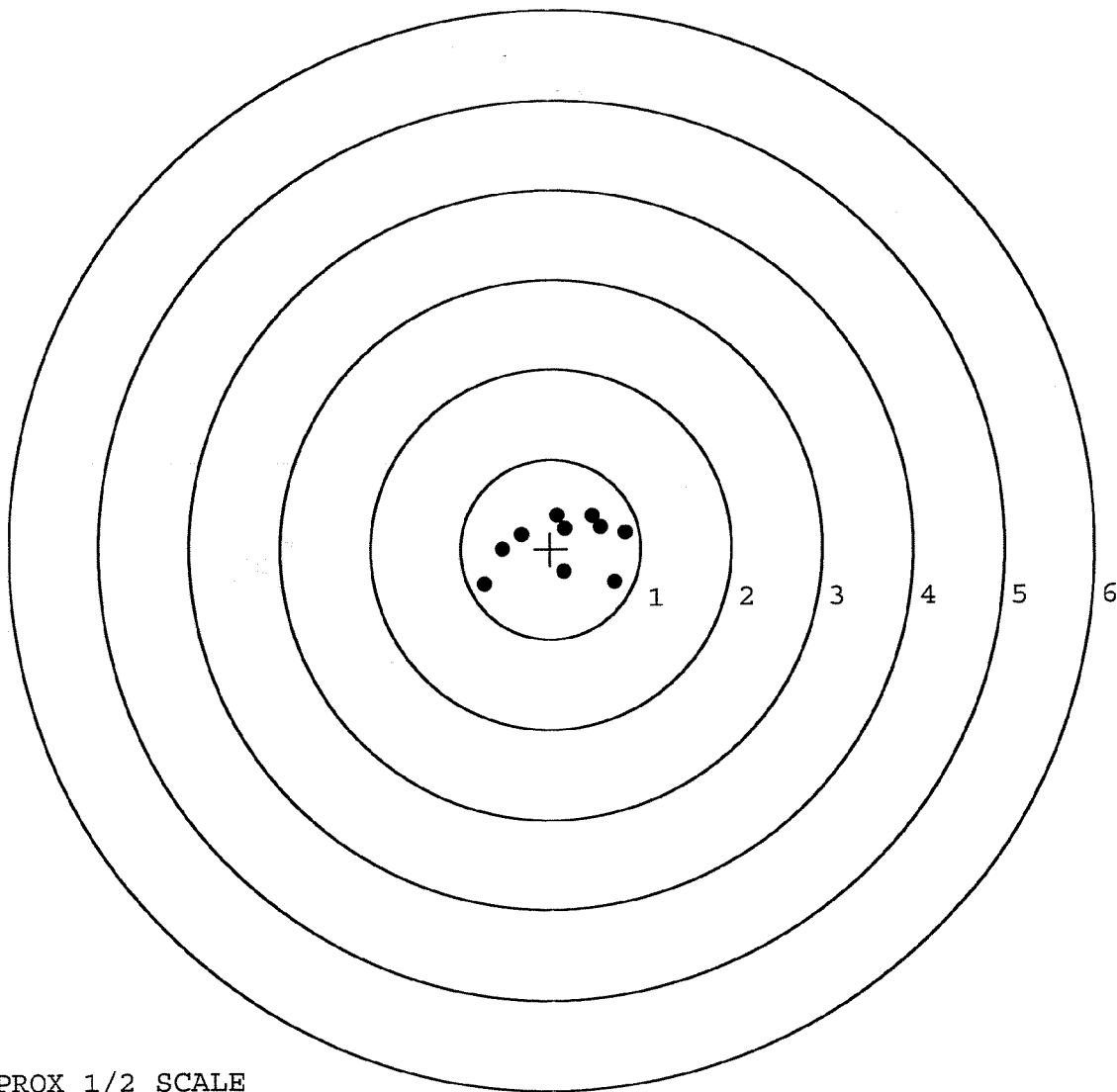


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522176. __0
 TARGET NUMBER: 3
 FILE DATE: 06/29/2006
 FILE TIME: 17:56

X CENTROID: 0.135
 Y CENTROID: 0.053
 POA TO CENTROID: 0.145
 HORZ SPREAD: 1.566
 VERT SPREAD: 0.765
 GROUP SPREAD: 1.664
 MIN RADIUS: 0.178
 MAX RADIUS: 0.975
 MEAN RADIUS: 0.529
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.735	-0.387
2:	-0.536	-0.005
3:	-0.325	0.166
4:	0.074	0.378
5:	0.160	0.229
6:	0.464	0.370
7:	0.554	0.243
8:	0.831	0.176
9:	0.711	-0.377
10:	0.148	-0.260



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522176. 0

TARGET NUMBER: 4

FILE DATE: 06/29/2006

FILE TIME: 17:56

X CENTROID: -0.180

Y CENTROID: -0.114

POA TO CENTROID: 0.213

HORZ SPREAD: 1.798

VERT SPREAD: 1.916

GROUP SPREAD: 2.370

MIN RADIUS: 0.131

MAX RADIUS: 1.594

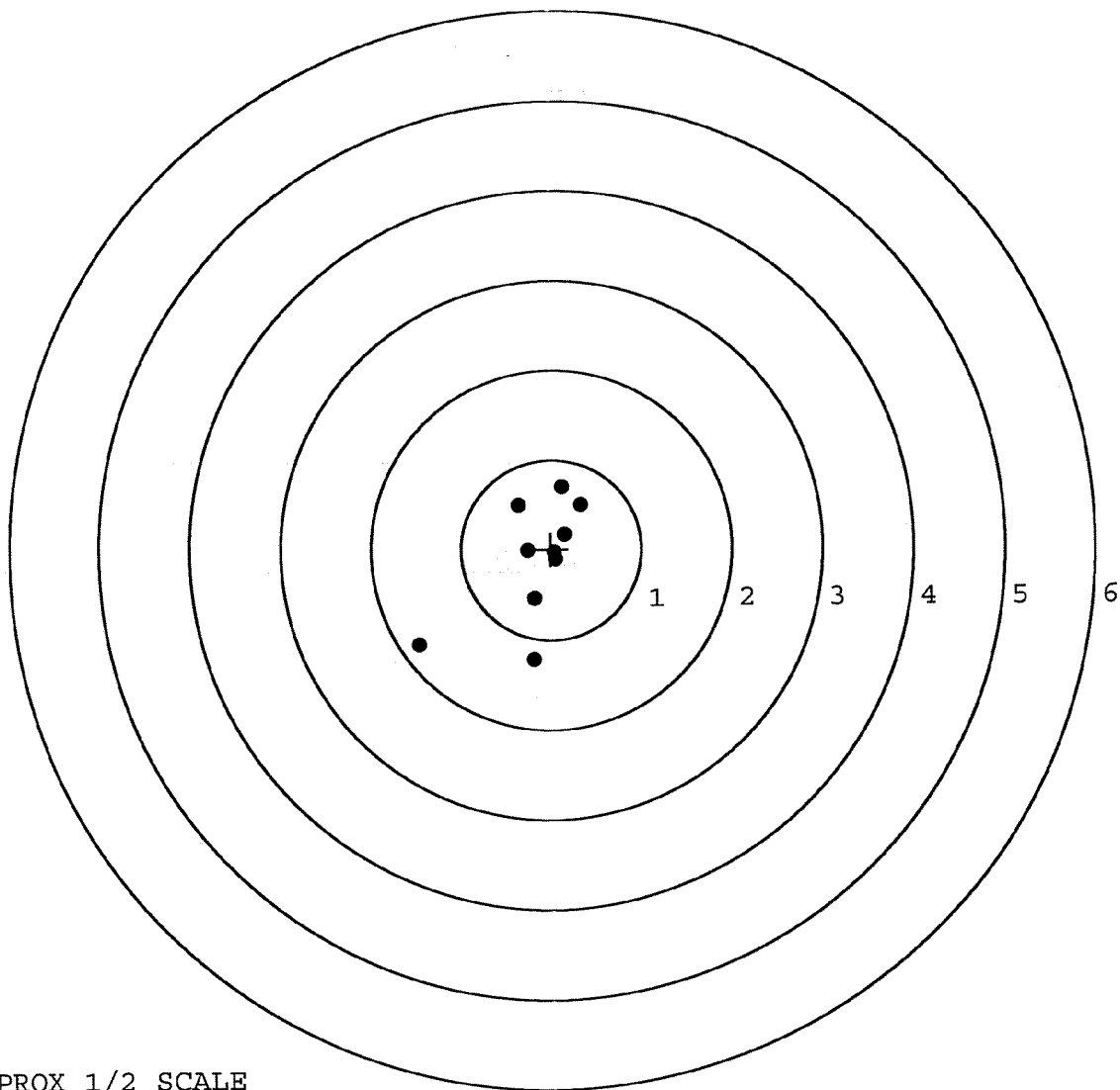
MEAN RADIUS: 0.645

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.363	0.494
2:	0.121	0.694
3:	0.327	0.495
4:	0.150	0.161
5:	-0.264	-0.014
6:	0.047	-0.114
7:	-0.187	-0.551
8:	-0.199	-1.222
9:	-1.471	-1.049
10:	0.037	-0.038

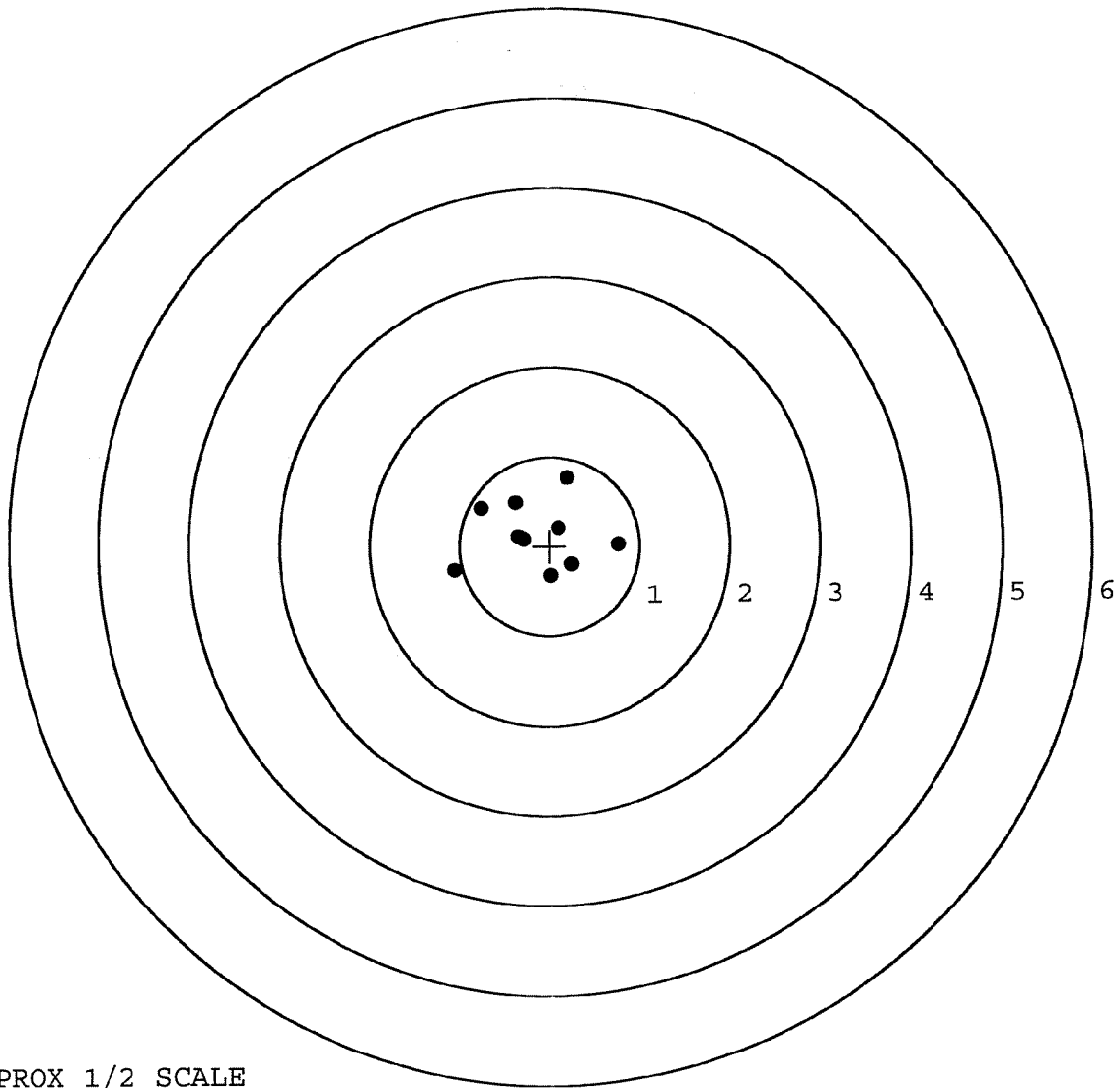


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522176. 0
 TARGET NUMBER: 5
 FILE DATE: 06/29/2006
 FILE TIME: 17:56

X CENTROID: -0.151
 Y CENTROID: 0.128
 POA TO CENTROID: 0.198
 HORZ SPREAD: 1.822
 VERT SPREAD: 1.102
 GROUP SPREAD: 1.844
 MIN RADIUS: 0.148
 MAX RADIUS: 0.990
 MEAN RADIUS: 0.538
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.764	0.430
2:	-0.379	0.491
3:	-0.352	0.112
4:	-1.057	-0.271
5:	0.201	0.765
6:	0.765	0.015
7:	0.012	-0.337
8:	0.251	-0.209
9:	0.101	0.203
10:	-0.291	0.078



TARGET APPROX 1/2 SCALE

INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

DATE

6-13-06

TESTER

R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS	COMMENTS
PULL #1	2.58	2.57	2.56	
PULL #2	2.58	2.53	2.49	
PULL #3	2.60	2.55	2.59	
PULL #4	2.48	2.59	2.53	
PULL #5	2.53	2.59	2.53	
TOTAL	12.77	12.83	12.70	
AVERAGE	2.55	2.56	2.54	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES	COMMENTS
PULL #1	3.03	2.94	
PULL #2	3.07	3.11	
PULL #3	2.98	3.19	
PULL #4	3.02	3.09	
PULL #5	3.00	2.93	
TOTAL	15.10	15.26	
AVERAGE	3.02	3.05	

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.04	4.26		4.00
PULL #2	4.18	4.25		3.98
PULL #3	3.99	4.17		4.17
PULL #4	4.11	4.10		4.00
PULL #5	3.98	4.07		4.05
TOTAL	20.30	20.85		20.20
AVERAGE	4.06	4.17		4.04

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	112980		
SERIAL NUMBER	C6522176		
LOG-IN DATE	5-30-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-16-06	RTZ
505	RE-BARREL	6-20-06	RTZ
420	ASSEMBLE	6-20-06	RTZ
440	PROOF	6-20-06	TRW
460	CHECK HEADSPACE	6-20-06	TRW
470	DIS-ASSEMBLE GUN	6-21-06	RTZ
480	MAGNAFLUX	6-23-06	unnd
510	DRILL AND TAP	6-22-06	TRW
500	ROLLMARK CALIBER	6-22-06	CW
520	GOFF BLAST BBL / REC	6-23-06	CB
530 & 540	APPLY COATINGS	6-29-06	TS
560	FINAL ASSEMBLY	6-29-06	PLC
640	FUNCTION TEST AND	6-29-06	NTM
650	TARGET	6-29-06	NTM
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	7-6-06	AC
	A) HEADSPACE	7-6-06	AC
	B) TRIGGER PULL	2.39 2.10 2.10 2.01 2.08	AC
680	F) SAFETY ON FORCE	8/6s 8/6s 8/6s	AC
	G) SAFETY OFF FORCE	3/6s 3/6s 3/6s	AC
	I) FIRING PIN INDENT	.022 .022 .022	AC
690	PACK	8-4-06	19A

F006 REV 5/2006

BARREL ASSEMBLY	STOCK ASSEMBLY
_____ BARREL	_____ STOCK
_____ RECEIVER	_____ SLING SWIVEL STUDS
_____ FRONT SIGHT BASE	_____
_____ REAR SIGHT BASE	_____ BUTT PATE
_____ SCREWS	_____ LOCK NUTS
_____ FINISH	_____ BARREL CLEARANCE
	_____ COLOR / FINISH
SCOPE ASSEMBLY	SYSTEM CASE
_____ SCOPE	_____ SCOPE CASE
_____ SCOPE RINGS	_____ IRON SIGHTS
_____ MOUNTING SCREWS	_____ DEPLOYMENT KIT
_____ MOUNTING BASE	
_____ SCREWS	
_____ FINISH	
_____ CLARITY	
COMMENTS: _____	

F006 REV 5/2006

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

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

MODEL 700™ M24

SERIAL NO.
C6522176

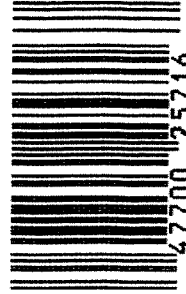
ORDER NO.
5716

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



5716 C6522176

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522176

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12	90	Ru
600	Proof	7 12	90	Ru
607	Check Headspace	7 12	90	Ru
610	Dis-assemble Gun	7 12	90	Ru
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	KR
617	Drill and Tap Sight Holes		7/27/90	LB
618	Polish Barrel <i>LB</i>		7/24/90	LB
620	Apply Coatings (Barrel Action)		7-6-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	Ru
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	Ru
	C) Inspect Ejector Hole for Chamfer		8/8/90	Ru
	D) Oil Firing Pin Ass'y		8/8/90	Ru
	E) Adjust Trigger Pull to Min Setting and Stake		8/21/90	MC

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/14/90	JL
	G) Safety Off Force	2	2	2			8/14/90	JL
	H) Trigger Pull Test & Retainability						8/21/90	JL
	I) Firing Pin Indent	.022	.0225	.022			8/14/90	JL
	J) Assemble Stock						8/16/90	RW
	K) Assemble Swivel Studs						8/21/90	JS
	L) Attach Front and Rear Sight Assemblies						8/16/90	RW
	M) Iron Sight Alignment						8/16/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/16/90	RW
	O) Attach Scope to Rifle						8/16/90	RW
	P) Detach & Attach Scope 20 Times						8/16/90	RW
640	Gallery Target & Test						8-17-90	KJ
	A) Time						8-17-90	KJ
	B) Malfunctions						8-17-90	KJ
	C) Pierced Primers						8-17-90	KJ
	D) Optical Clarity of Scope						8-17-90	KJ
645	Inspect for Live Ammo						8-17-90	KJ
655	Final Inspection							
	A) Headspace						8/29/90	JS
	B) Trigger Pull	240	247	246	251	250	8/21/90	JL
	C) Function						8/29/90	JS
660	Pack						9/20/90	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522176

DATE 8/21/90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.45	2.50	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.48	2.46	2.47	
PULL #3	2.42	2.48	2.50	2.46	
PULL #4	2.43	2.45	2.46	2.51	
PULL #5	2.44	2.49	2.50	2.50	
TOTAL	12.14	12.35	12.42	12.34	
AVG.	2.428	2.47	2.482	2.468	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.36		
PULL #2	3.36	3.39		
PULL #3	3.33	3.34		
PULL #4	3.36	3.33		
PULL #5	3.34	3.36		
TOTAL	16.81	16.78		
AVG.	3.362	3.356		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.47		4.47
PULL #2	4.48	4.50		4.42
PULL #3	4.43	4.47		4.44
PULL #4	4.47	4.46		4.47
PULL #5	4.46	4.45		4.44
TOTAL	22.34	22.35		22.24
AVG.	4.468	4.47		4.448

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522176
17 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.203531
1 TO	2	.562825
1 TO	3	.793799
1 TO	4	.621187
1 TO	5	.348695

POI 4 <----POI

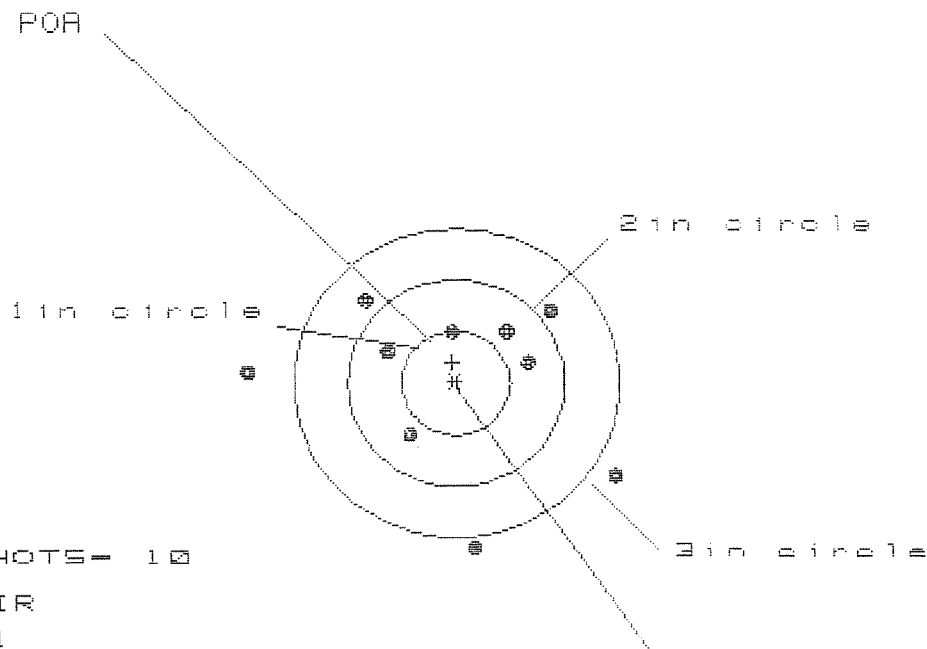
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0224
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1382
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .140004

THE AMR FOR THIS RIFLE IS: 1.26

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522176

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 3.339

VS = 2.460

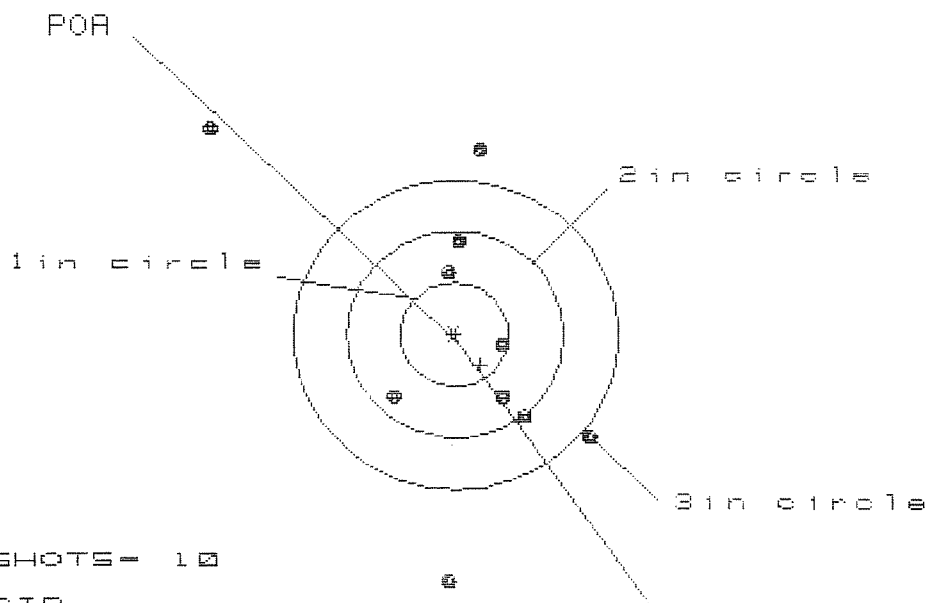
GS = 3.491

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.456	1.247	.834
MINIMUM X	-1.883	-1.022	-.866
MAXIMUM Y	.828	.837	.721
MINIMUM Y	-1.632	-1.623	-1.739
CENTROID X	.032	.241	.085
CENTROID Y	-.201	-.210	-.094
POA TO CENTROID in.	.203	.319	.127
MIN RADIUS	.490	.502	.387
MEAN RADIUS	1.073	.971	.866
MAX RADIUS	1.884	1.623	1.744
HORIZONTAL SPREAD	3.339	2.269	1.700
VERTICAL SPREAD	2.460	2.460	2.460
EXTREME SPREAD	3.491	2.873	2.656
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522176

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 3.521

VS= 4.340

GS= 4.879

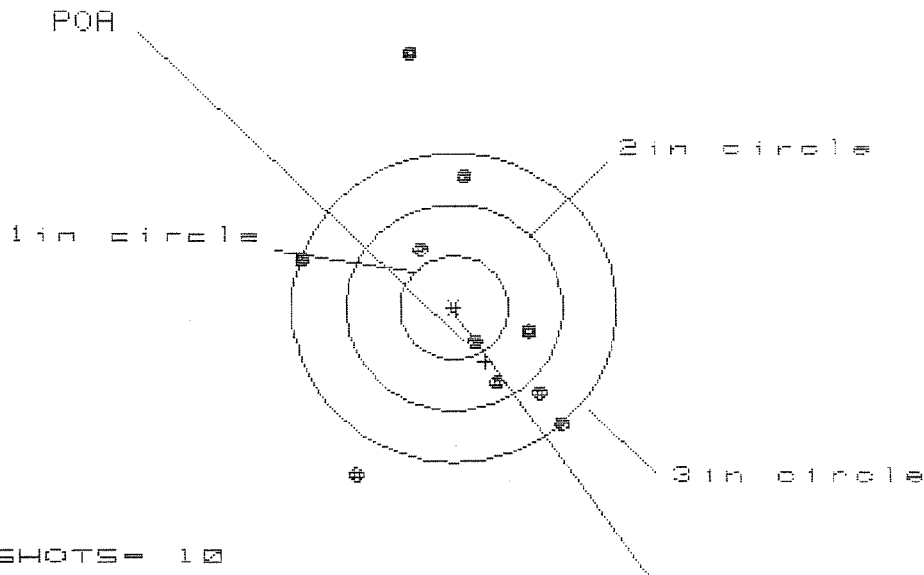
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.248	.996	.959
MINIMUM X	:	-2.272	-.790	-.827
MAXIMUM Y	:	1.993	2.045	1.779
MINIMUM Y	:	-2.347	-2.125	-1.040
CENTROID X	:	-.234	.018	.055
CENTROID Y	:	.295	.073	.339
POA TO CENTROID in.	:	.377	.076	.344
MIN RADIUS	:	.482	.261	.225
MEAN RADIUS	:	1.338	1.004	.955
MAX RADIUS	:	3.023	2.146	1.781
HORIZONTAL SPREAD	:	3.521	1.786	1.786
VERTICAL SPREAD	:	4.340	4.170	2.819
EXTREME SPREAD	:	4.879	4.178	3.005
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		6	

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522176

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 2.412

VS= 4.016

GS= 4.041

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.998	.948	.829
MINIMUM X	:	-1.414	-1.464	-1.583
MAXIMUM Y	:	2.433	1.539	1.375
MINIMUM Y	:	-1.583	-1.313	-1.013
CENTROID X	:	-.289	-.239	-.120
CENTROID Y	:	.525	.255	.419
POA TO CENTROID in.	:	.599	.349	.436
MIN RADIUS	:	.369	.145	.212
MEAN RADIUS	:	1.223	1.024	.938
MAX RADIUS	:	2.474	1.659	1.699
HORIZONTAL SPREAD	:	2.412	2.412	2.412
VERTICAL SPREAD	:	4.016	2.852	2.388
EXTREME SPREAD	:	4.041	3.016	2.911
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522176

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 2

3in = 4

HS = 3.926

VS = 3.588

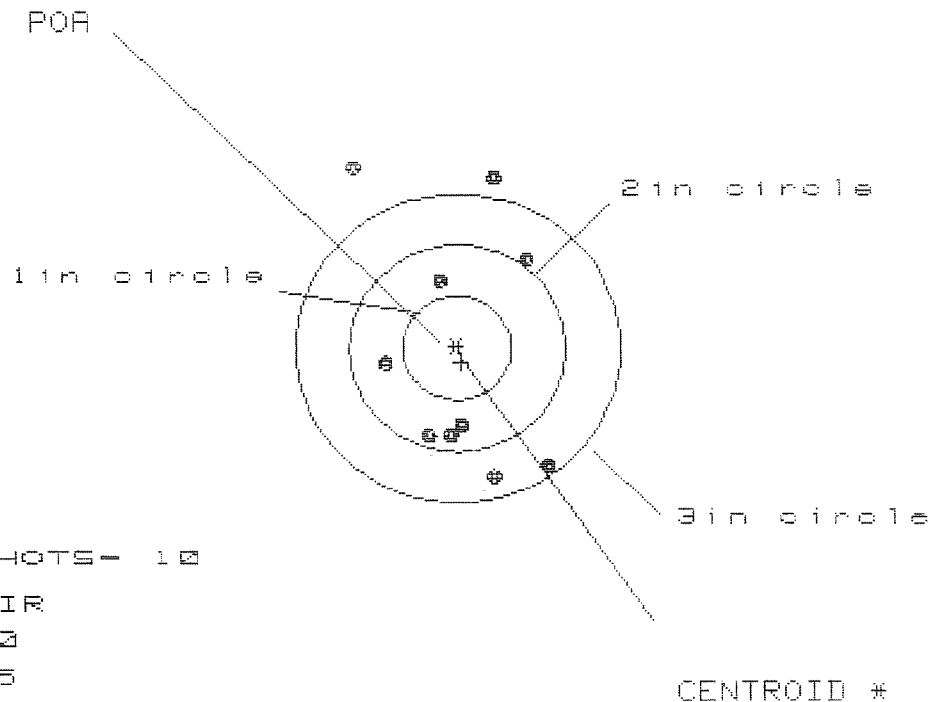
CS = 4.595

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.559	1.550	1.444
MINIMUM X	-1.367	-1.083	-1.189
MAXIMUM Y	2.064	1.989	1.405
MINIMUM Y	-1.524	-1.599	-1.350
CENTROID X	.639	.355	.461
CENTROID Y	-.069	.006	-.243
POA TO CENTROID in.	.643	.355	.521
MIN RADIUS	.457	.550	.281
MEAN RADIUS	1.535	1.373	1.247
MAX RADIUS	2.646	2.161	1.777
HORIZONTAL SPREAD	3.926	2.633	2.633
VERTICAL SPREAD	3.588	3.588	2.755
EXTREME SPREAD	4.595	4.091	3.389
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	4		

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522176

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 1.840

VS= 2.978

GS= 3.468

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.861	.752	.781
MINIMUM X	:	-.979	-.775	-.746
MAXIMUM Y	:	1.760	1.886	1.261
MINIMUM Y	:	-1.218	-1.023	-.787
CENTROID X	:	-.036	.073	.044
CENTROID Y	:	.141	-.054	-.290
POA TO CENTROID in.	:	.146	.091	.293
MIN RADIUS	:	.690	.591	.355
MEAN RADIUS	:	1.133	.997	.810
MAX RADIUS	:	2.014	1.900	1.367
HORIZONTAL SPREAD	:	1.840	1.527	1.527
VERTICAL SPREAD	:	2.978	2.909	2.048
EXTREME SPREAD	:	3.468	2.918	2.134
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	