

C6594589

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400019872

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

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: **RE00038544** Serial: C6594589 Model 700 Center Fire Caliber: 7.62 NATO M24 SWS WQGS 2 of 18 Repairman: Status: Closed 1/22/02 9:05:27 AM

Verify Repair

Address Information

Customer: Received From Return To Received From

Name: **HECTOR M ROCA** **HECTOR M ROCA**

Address 1: **BCO 3RD SFG A** **BCO 3RD SFG A**

Address 2: **PO Box** **PO Box**

City: **FORT BRAGG** **FORT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

EFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **910 432 3918**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A017	Scope Base	1

Repair Search Refresh Close

1/22/02 10:21 AM C&PS NUM INS SCFL

Start Inbox... Calen... Score... SWS... Israel... Arms... Printsc... 10:21 AM

Serial Number: **C6594589**

Model: **700**



RE00038544

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594589.___0
FILE DATE AND TIME: 01/11/2002 03:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.004
The Average Y Centroid of the Five Target Set:	-0.007
The Average Point of Impact of the Five Target Set:	0.008
The Average Mean Radius of the Five Target Set:	0.475
The Distance from POA to Centroid Target #1:	0.220
The Distance from Centroid Target #2 to Centroid Target #1:	0.347
The Distance from Centroid Target #3 to Centroid Target #1:	0.328
The Distance from Centroid Target #4 to Centroid Target #1:	0.221
The Distance from Centroid Target #5 to Centroid Target #1:	0.245

SERIAL NUMBER: C6594589.___0

TARGET NUMBER: 1

FILE DATE: 01/11/2002

FILE TIME: 03:54

X CENTROID: -0.213

Y CENTROID: 0.052

POA TO CENTROID: 0.220

HORZ SPREAD: 0.948

VERT SPREAD: 2.093

GROUP SPREAD: 2.093

MIN RADIUS: 0.176

MAX RADIUS: 1.300

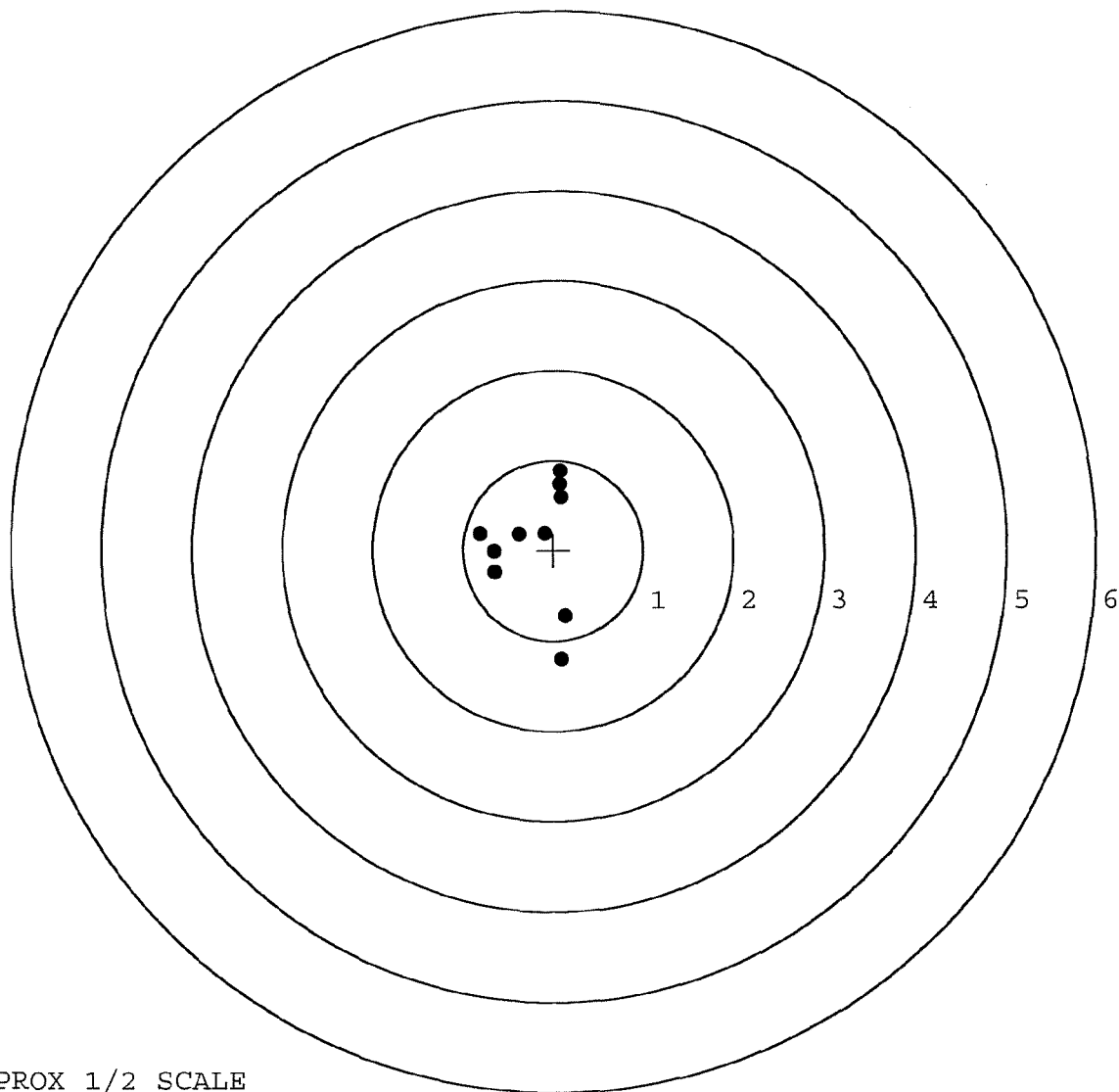
MEAN RADIUS: 0.636

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.088	-1.212
2:	0.138	-0.729
3:	-0.649	-0.247
4:	-0.657	-0.022
5:	-0.810	0.176
6:	-0.384	0.172
7:	-0.094	0.182
8:	0.086	0.589
9:	0.077	0.881
10:	0.072	0.734



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594589. __0

TARGET NUMBER: 2

FILE DATE: 01/11/2002

FILE TIME: 03:54

POINT#	X	Y
1:	-0.637	0.519
2:	-0.051	0.462
3:	0.670	0.474
4:	0.503	-0.293
5:	-0.307	-0.520
6:	-0.080	-0.267
7:	0.294	-0.193
8:	0.394	0.005
9:	0.344	0.158
10:	0.201	-0.005

X CENTROID: 0.133

Y CENTROID: 0.034

POA TO CENTROID: 0.137

HORZ SPREAD: 1.307

VERT SPREAD: 1.039

GROUP SPREAD: 1.400

MIN RADIUS: 0.078

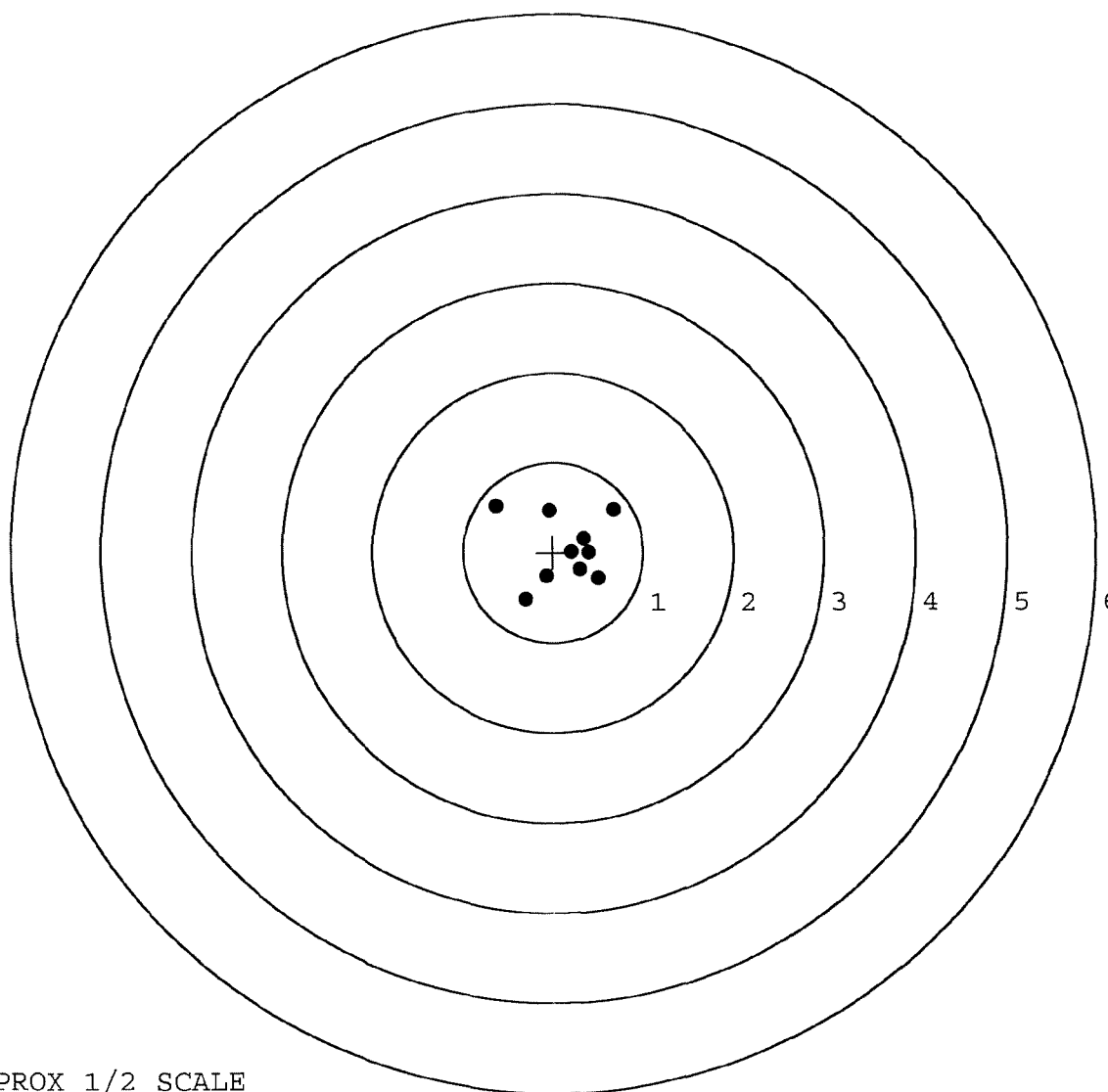
MAX RADIUS: 0.910

MEAN RADIUS: 0.450

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594589. __0

TARGET NUMBER: 3

FILE DATE: 01/11/2002

FILE TIME: 03:54

POINT#	X	Y
1:	0.077	-0.550
2:	-0.233	-0.439
3:	-0.762	-0.002
4:	-0.440	0.049
5:	0.004	0.066
6:	0.329	0.283
7:	0.708	0.157
8:	0.505	-0.191
9:	0.492	0.087
10:	0.319	0.074

X CENTROID: 0.100

Y CENTROID: -0.047

POA TO CENTROID: 0.110

HORZ SPREAD: 1.470

VERT SPREAD: 0.833

GROUP SPREAD: 1.479

MIN RADIUS: 0.148

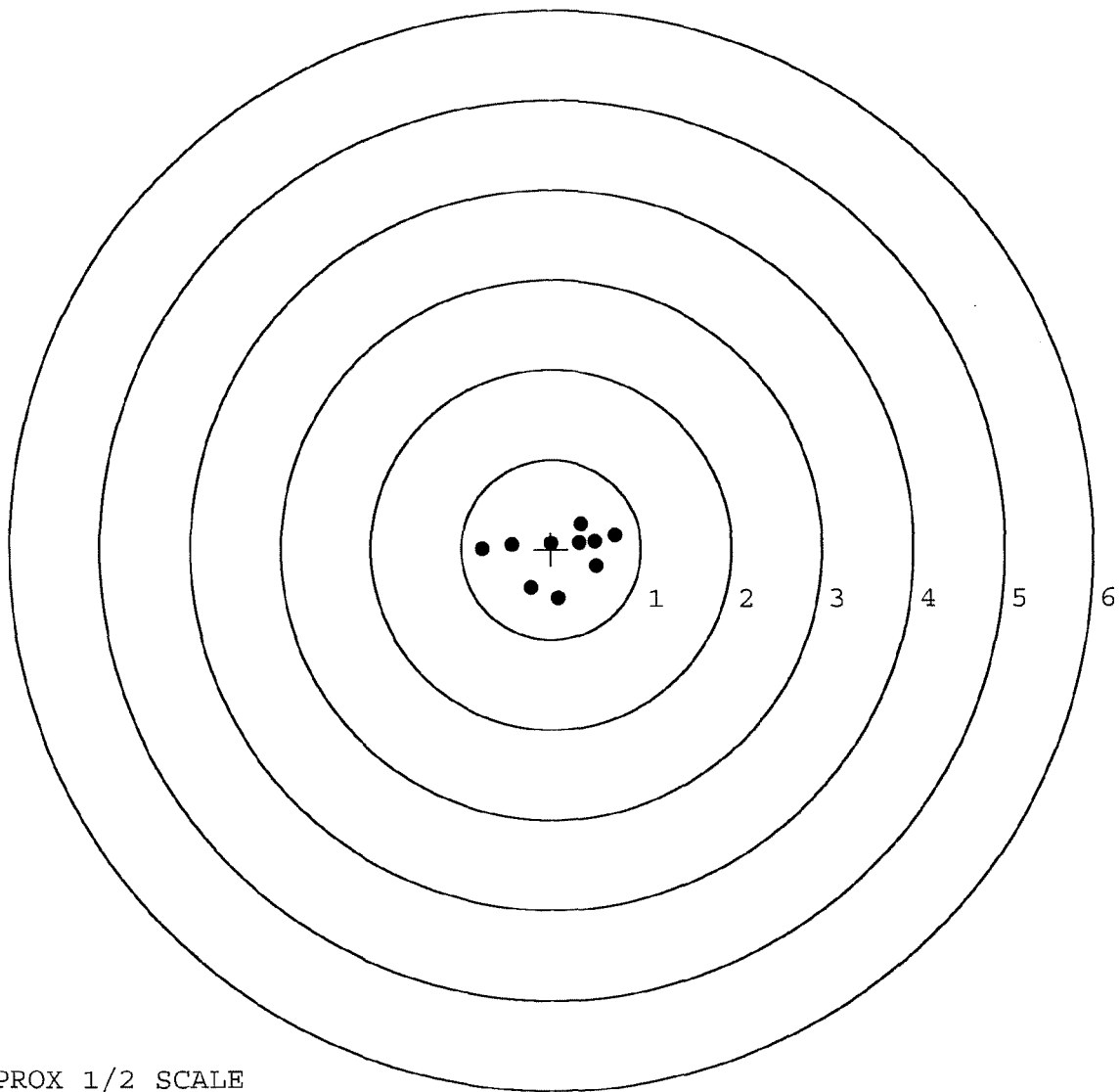
MAX RADIUS: 0.863

MEAN RADIUS: 0.471

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594589. __0

TARGET NUMBER: 4

FILE DATE: 01/11/2002

FILE TIME: 03:54

POINT#	X	Y
1:	-0.450	-0.495
2:	0.472	-0.193
3:	0.598	0.104
4:	-0.272	0.418
5:	-0.324	0.128
6:	-0.250	-0.039
7:	-0.070	-0.202
8:	-0.009	0.179
9:	0.011	-0.013
10:	0.256	-0.073

X CENTROID: -0.004

Y CENTROID: -0.019

POA TO CENTROID: 0.019

HORZ SPREAD: 1.048

VERT SPREAD: 0.913

GROUP SPREAD: 1.207

MIN RADIUS: 0.016

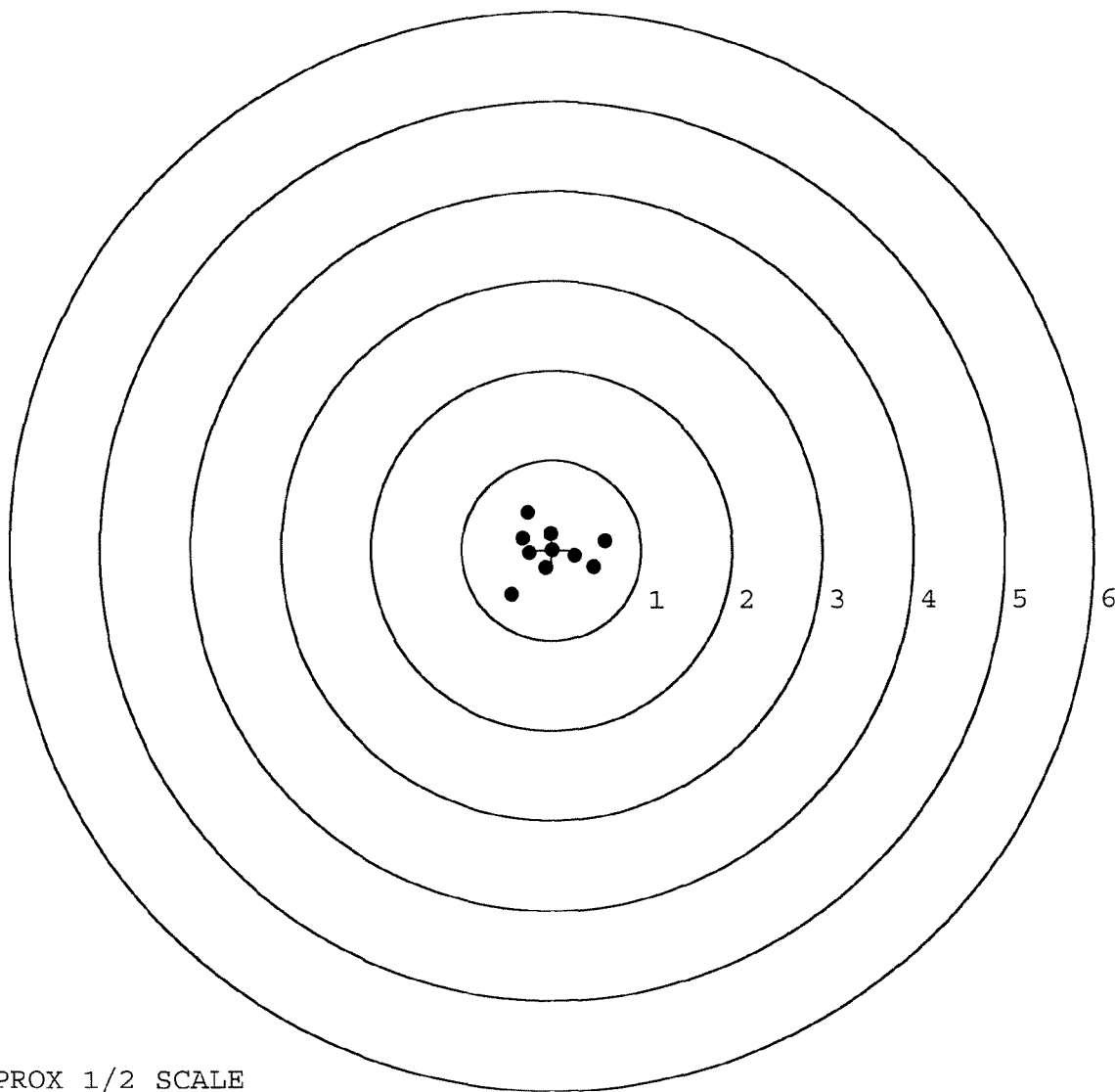
MAX RADIUS: 0.653

MEAN RADIUS: 0.356

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594589. 0

TARGET NUMBER: 5

FILE DATE: 01/11/2002

FILE TIME: 03:54

POINT#	X	Y
1:	0.040	-0.749
2:	0.298	-0.654
3:	-0.439	-0.239
4:	-0.493	0.054
5:	0.353	0.746

X CENTROID: 0.006

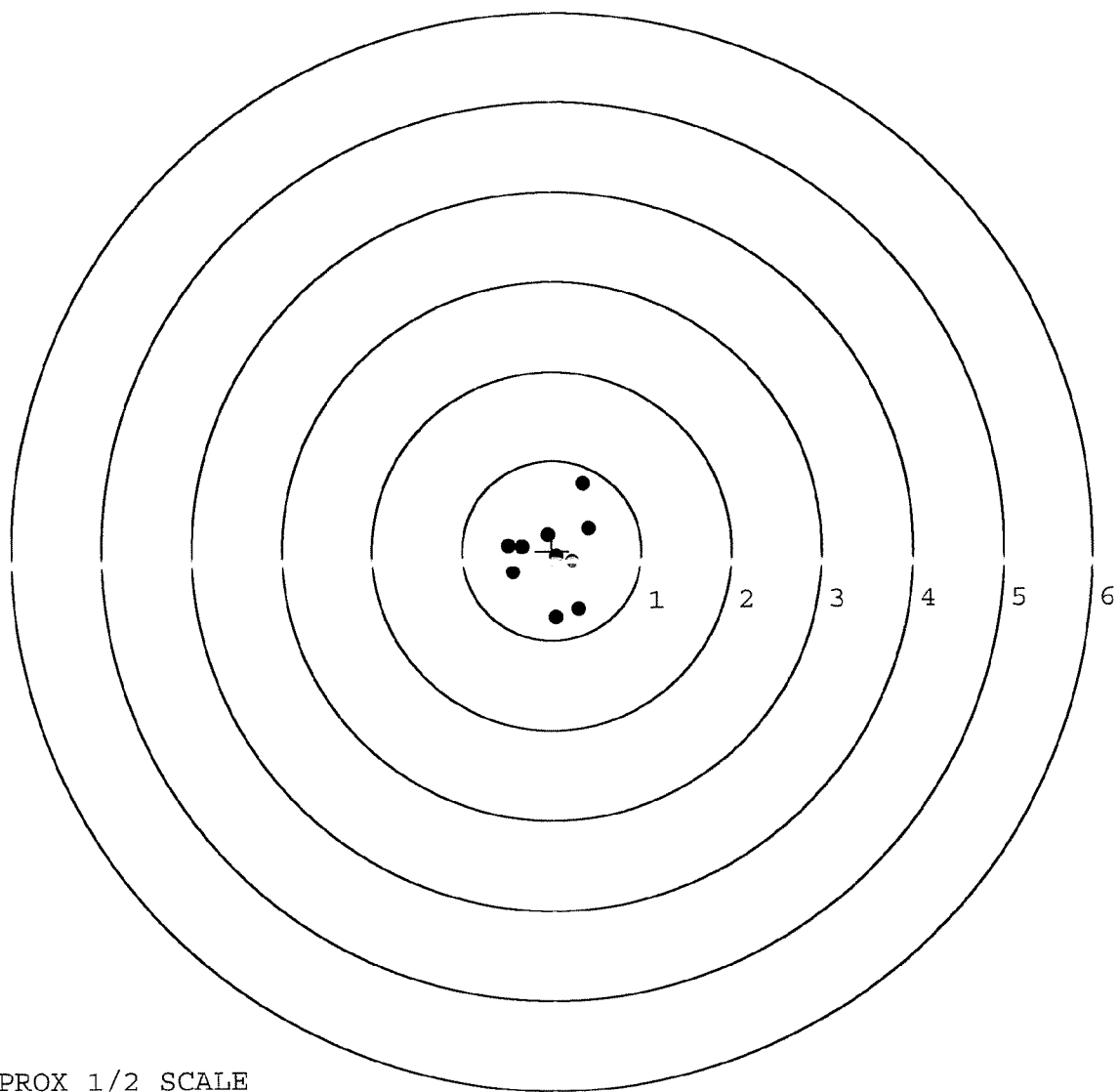
MAX RADIUS: 0.875

MEAN RADIUS: 0.460

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 38544			
SERIAL NUMBER C6594589			
LOG-IN DATE 1-2-01			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-2-02	RH
560 A	RE-BARREL AT CUSTOM SHOP	1-3-02	BWT
B	DRILL AND TAP	1-3-02	BWT
C	POLISH		
575	ASSEMBLE		
600	PROOF	1-4-02	AC
605	CHECK HEADSPACE	1-4-02	AC
610	DIS-ASSEMBLE GUN	1-4-02	AC
612	MAGNAFLUX	OPERATOR AL	
615	ROLLMARK CALIBER	1-7-02	K3
618	ROTO-BLAST	1/7	KO
620	APPLY COATINGS	1/7	HP
625 A	FINAL ASSEMBLY	1/8/02	OW
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE	N/A	
D	SAFETY "OFF" FORCE	N/A	
E	FIRING PIN INDENT	N/A	
640	TARGET	1-11-02	AK
655	FINAL INSPECT	1-12-02	DA
660	PACK	1-12-02	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®

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

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

MODEL 700™ H24

SERIAL NO.
C6594589

ORDER NO.
5716

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

20



5716 C6594589

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594589

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/27/90	K.S.
600	Proof		12/27/90	K.S.
607	Check Headspace		12/27/90	K.S.
610	Dis-assemble Gun		12/27/90	K.S.
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	Y.S.
617	Drill and Tap Sight Holes	1	10 91	FB
618	Polish Barrel	1	10 91	WB
620	Apply Coatings (Barrel Action)		1-26-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/6/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/91	KA
	C) Inspect Ejector Hole for Chamfer		2/6/91	KA
	D) Oil Firing Pin Ass'y		2/6/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/8/91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			2/11/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			2/11/91	WB
	H) Trigger Pull Test & Retainability						2/8/91	JK
	I) Firing Pin Indent	.021	.0205	.0205			2/11/91	WB
	J) Assemble Stock						2/11/91	JK
	K) Assemble Swivel Studs						2-26-91	AC
	L) Attach Front and Rear Sight Assemblies						2/11/91	JK
	M) Iron Sight Alignment						2/11/91	JK
	N) Detach Front & Rear Sights & place in numbered container						2/11/91	JK
	O) Attach Scope to Rifle						2/11/91	JK
	P) Detach & Attach Scope 20 Times						2/11/91	JK
640	Gallery Target & Test						2/12/91	PS
	A) Time						1	PS
	B) Malfunctions						1	PS
	C) Pierced Primers						1	PS
	D) Optical Clarity of Scope						1	PS
645	Inspect for Live Ammo						2/12/91	PS
655	Final Inspection							
	A) Headspace						2-26-91	AC
	B) Trigger Pull	2.45	2.50	2.49	2.30	2.44	2/22/91	JK
	C) Function						2-26-91	AC
660	Pack						3-14-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594589

DATE 2/8/90

TESTER JP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.47	2.30	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.53	2.28	2.50	
PULL #3	2.40	2.30	2.30	2.49	
PULL #4	2.45	2.50	2.25	2.30	
PULL #5	2.14	2.19	2.20	2.44	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.17		
PULL #2	3.38	3.29		
PULL #3	3.44	3.18		
PULL #4	3.48	3.25		
PULL #5	3.18	3.31		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.38		4.31
PULL #2	4.55	4.27		4.23
PULL #3	4.36	4.45		4.36
PULL #4	4.50	4.19		4.51
PULL #5	4.26	4.48		4.49
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594589
13 Feb 1991

CENTROIDAL DISTANCES

Ø TO	1	.5854
1 TO	2	1.02814
1 TO	3	.520981
1 TO	4	.896141
1 TO	5	.480263

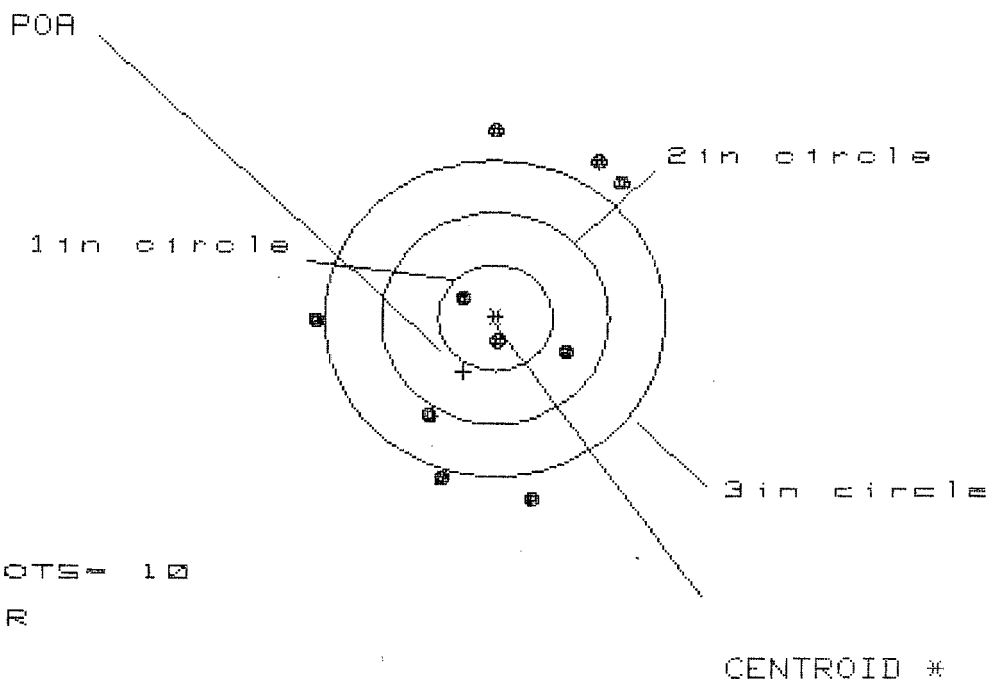
1
<----POA
4
2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1092
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0278
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .112683
THE AMR FOR THIS RIFLE IS: .9686

13 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/ C6594589

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 4

HS= 2.658

VS= 3.460

GS= 3.479

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.102	1.202	1.212
MINIMUM X	:	-1.556	-1.456	-1.446
MAXIMUM Y	:	1.776	1.946	1.657
MINIMUM Y	:	-1.684	-1.514	-1.271
CENTROID X	:	.282	.182	.172
CENTROID Y	:	.513	.343	.100
POA TO CENTROID in.	:	.586	.388	.199
MIN RADIUS	:	.247	.139	.209
MEAN RADIUS	:	1.245	1.153	1.037
MAX RADIUS	:	1.777	1.947	2.053
HORIZONTAL SPREAD	:	2.658	2.658	2.658
VERTICAL SPREAD	:	3.460	3.460	2.928
EXTREME SPREAD	:	3.479	3.479	3.161
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			3	

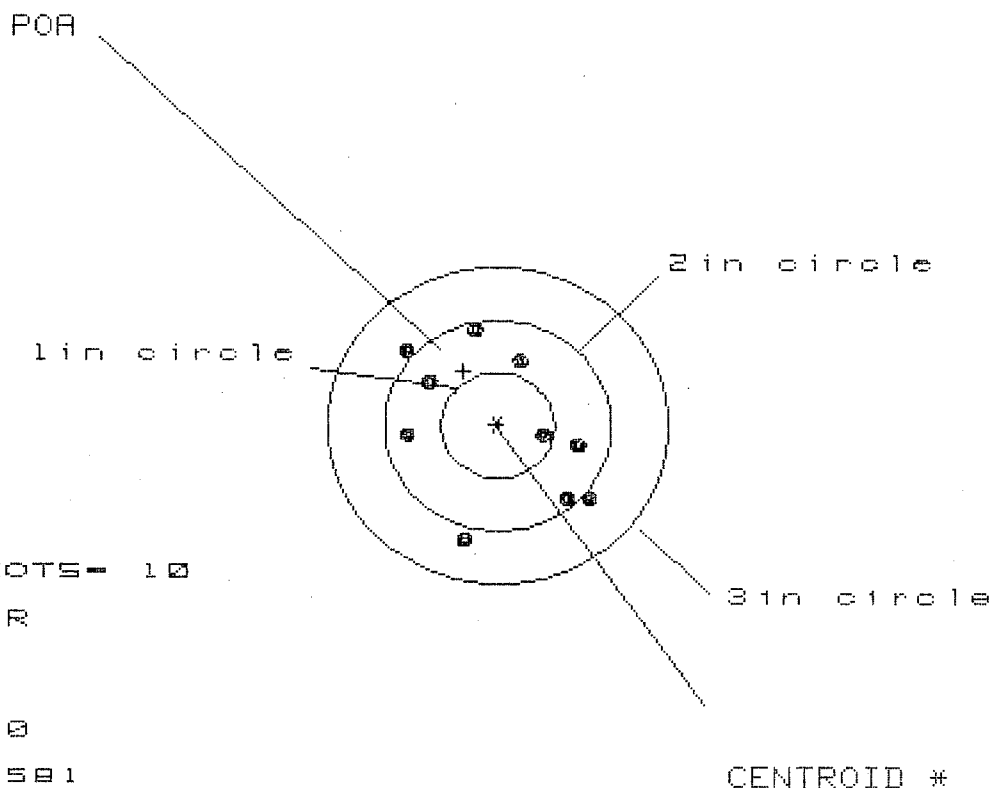
NUMBER IN THREE INCH CIRCLE =

4

13 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/ CB594589

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.581

VS= 1.982

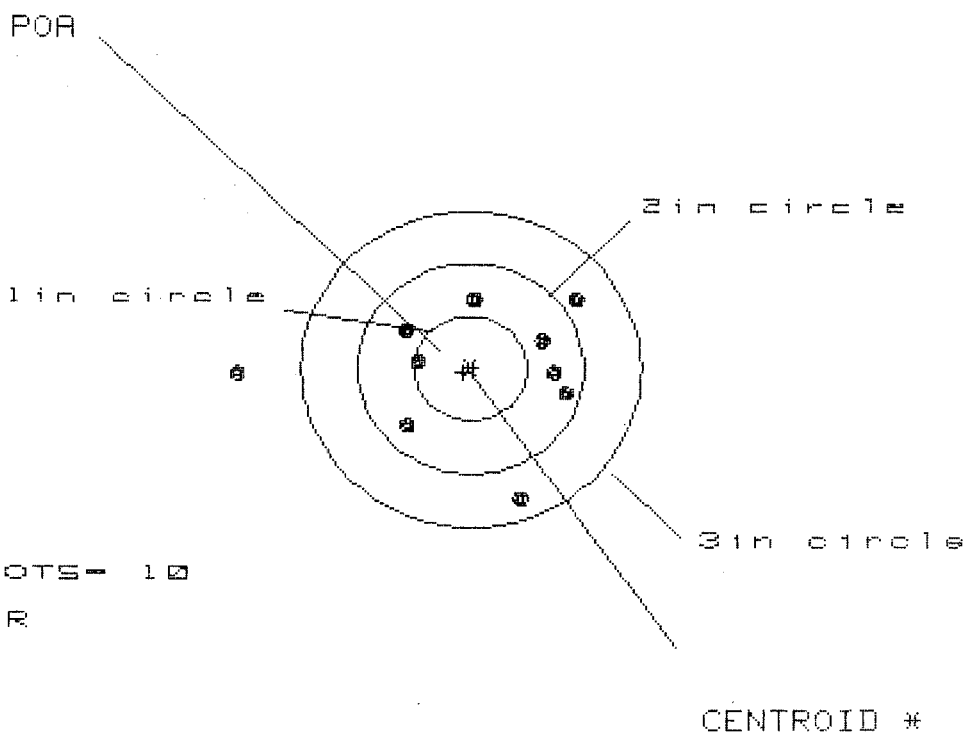
GS= 2.087

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.757	.725	.626
MINIMUM X	:	-.825	-.856	-.955
MAXIMUM Y	:	.913	.794	.874
MINIMUM Y	:	-1.069	-.809	-.729
CENTROID X	:	.299	.331	.430
CENTROID Y	:	-.515	-.396	-.476
POA TO CENTROID in.	:	.596	.516	.641
MIN RADIUS	:	.380	.396	.271
MEAN RADIUS	:	.832	.789	.745
MAX RADIUS	:	1.105	1.074	.962
HORIZONTAL SPREAD	:	1.581	1.581	1.581
VERTICAL SPREAD	:	1.982	1.603	1.603
EXTREME SPREAD	:	2.087	2.087	1.847
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/ C6594589

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS = 3.018

VS = 1.965

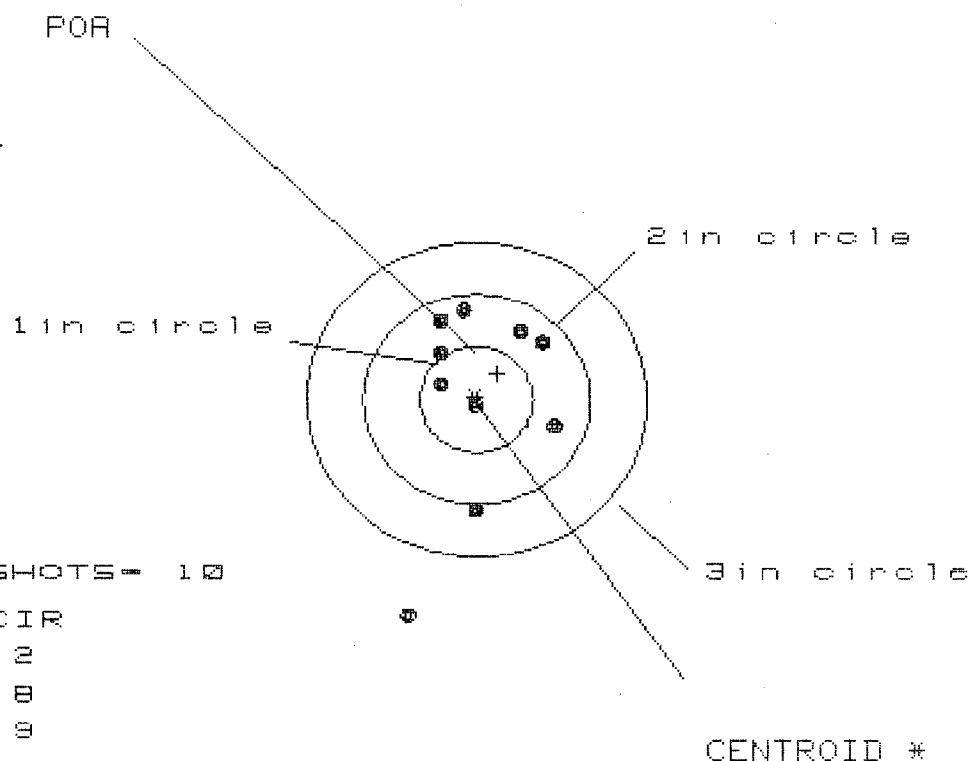
GS = 3.110

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.969	.742	.765
MINIMUM X	:	-2.049	-.827	-.804
MAXIMUM Y	:	.703	.697	.539
MINIMUM Y	:	-1.262	-1.268	-.660
CENTROID X	:	.068	.295	.272
CENTROID Y	:	.038	.044	.202
POA TO CENTROID in.	:	.078	.299	.339
MIN RADIUS	:	.480	.511	.466
MEAN RADIUS	:	.952	.803	.725
MAX RADIUS	:	2.049	1.281	1.040
HORIZONTAL SPREAD	:	3.018	1.569	1.569
VERTICAL SPREAD	:	1.965	1.965	1.199
EXTREME SPREAD	:	3.110	2.042	1.975
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

13 Feb 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 1.374

VS= 2.905

GS= 2.964

PATTERN #	4	5	6
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.714	.641	.628
MINIMUM X	-.660	-.408	-.421
MAXIMUM Y	.820	.588	.434
MINIMUM Y	-2.085	-1.232	-.608
CENTROID X	-.188	-.115	-.102
CENTROID Y	-.250	-.018	.136
POA TO CENTROID in.	.312	.116	.170
MIN RADIUS	.016	.256	.396
MEAN RADIUS	.800	.608	.510
MAX RADIUS	2.187	1.236	.874
HORIZONTAL SPREAD	1.374	1.049	1.049
VERTICAL SPREAD	2.905	1.820	1.042
EXTREME SPREAD	2.964	1.821	1.423

13 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/ C6594589

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 2.313

VS= 2.614

GS= 2.646

PATTERN #

:

5

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.163

1.219

1.162

MINIMUM X

:

-1.150

-1.094

-1.151

MAXIMUM Y

:

1.281

1.133

.954

MINIMUM Y

:

-1.333

-1.432

-1.136

CENTROID X

:

.085

.029

.086

CENTROID Y

:

.075

.223

.402

POA TO CENTROID in:

:

.114

.225

.411

MIN RADIUS

:

.339

.186

.187

MEAN RADIUS

:

1.014

.934

.836

MAX RADIUS

:

1.426

1.502

1.368

HORIZONTAL SPREAD

:

2.313

2.313

2.313