

G 6616342

Refused

C. 6498849

Repair Inquiry

Repair Number: RE00120082

Serial: C6498849 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1990

Repairman:

Verify Repair

Status:

Closed 11/10/2006 7:41:22 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: SSG MARTINEZ, PAULA

SSG MARTINEZ, PAULA

Address 1: HHC 369 AR

HHC 369 AR

Address 2: PO Box:

PO Box:

City: FT STEWART

FT STEWART

State: GA

Zip Code: 31313

Country: US

State: GA

Zip Code: 31313

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
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

11/13/2006

7:42 AM

CAPS

NUM

INS

SCRL



4 Microsoft Of...

4 Internet Exp...

VAC-DIS-2006

Arms Services R...



7:42 AM

G6616342
Serial Number: ~~C6498849~~

Model: M24 SWS



RE00120082

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6616342.___0
FILE DATE AND TIME: 12/12/2006 05:48

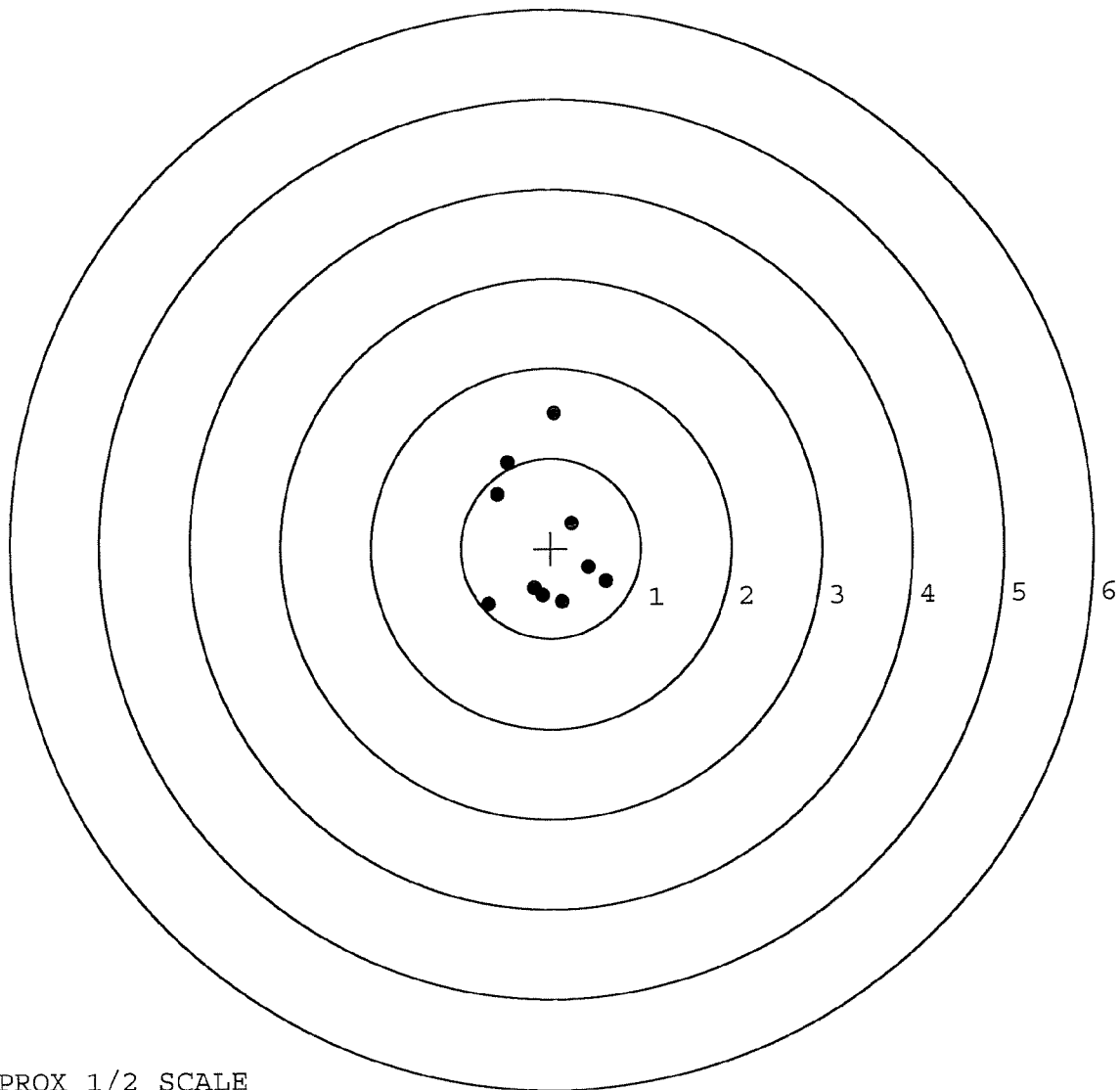
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.044
The Average Y Centroid of the Five Target Set:	0.046
The Average Point of Impact of the Five Target Set:	0.063
The Average Mean Radius of the Five Target Set:	0.627
The Distance from POA to Centroid Target #1:	0.081
The Distance from Centroid Target #2 to Centroid Target #1:	0.072
The Distance from Centroid Target #3 to Centroid Target #1:	0.106
The Distance from Centroid Target #4 to Centroid Target #1:	0.074
The Distance from Centroid Target #5 to Centroid Target #1:	0.074

SERIAL NUMBER: G6616342.___0
TARGET NUMBER: 1
FILE DATE: 12/12/2006
FILE TIME: 05:48

X CENTROID: -0.060
Y CENTROID: 0.054
POA TO CENTROID: 0.081
HORZ SPREAD: 1.305
VERT SPREAD: 2.124
GROUP SPREAD: 2.253
MIN RADIUS: 0.374
MAX RADIUS: 1.448
MEAN RADIUS: 0.765
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.697	-0.626
2:	-0.189	-0.451
3:	0.126	-0.600
4:	0.608	-0.378
5:	0.419	-0.214
6:	0.239	0.278
7:	-0.593	0.604
8:	-0.474	0.960
9:	0.053	1.498
10:	-0.096	-0.530

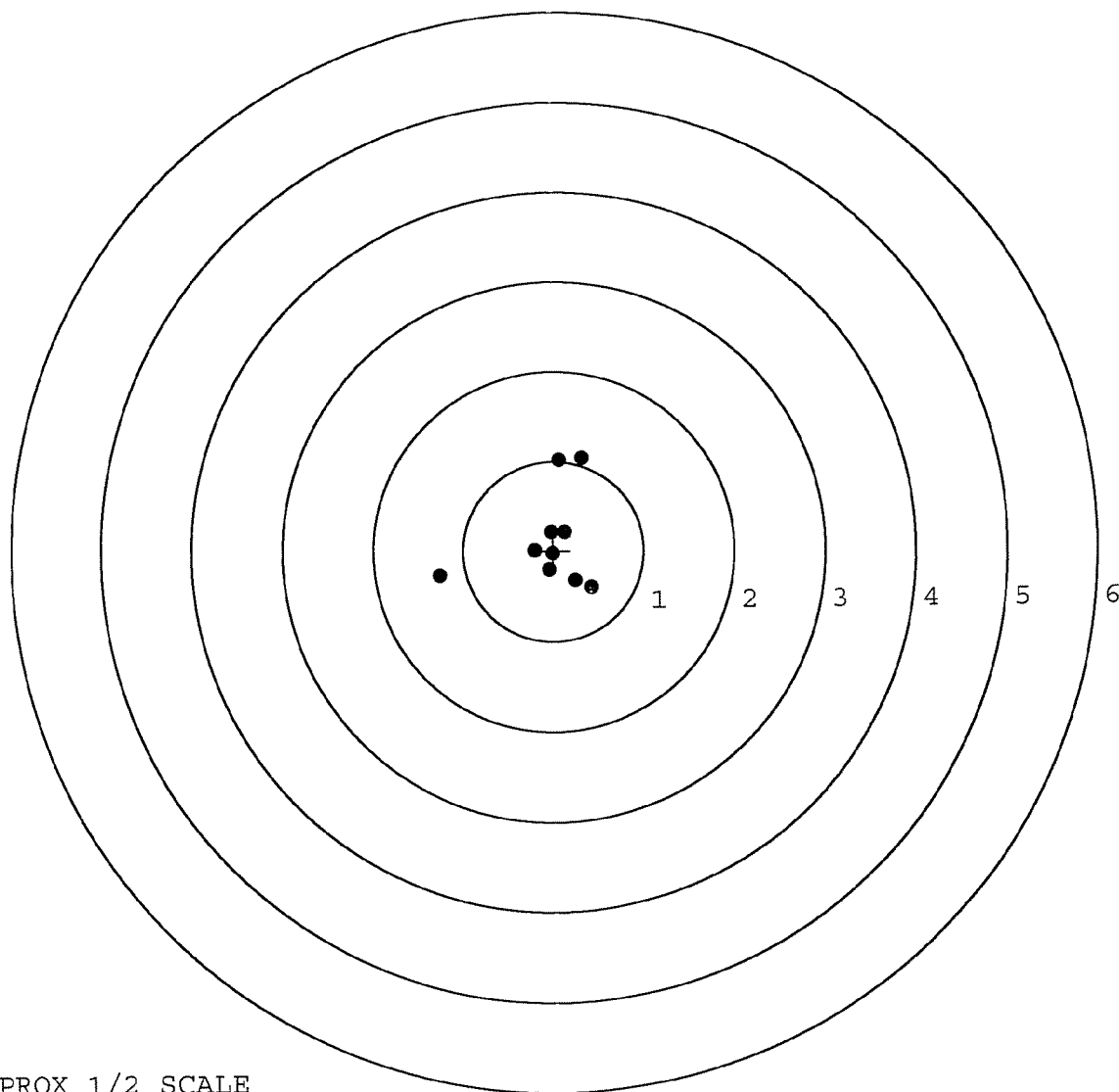


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6616342. __0
TARGET NUMBER: 2
FILE DATE: 12/12/2006
FILE TIME: 05:48

X CENTROID: -0.036
Y CENTROID: 0.122
POA TO CENTROID: 0.127
HORZ SPREAD: 1.681
VERT SPREAD: 1.446
GROUP SPREAD: 2.053
MIN RADIUS: 0.088
MAX RADIUS: 1.285
MEAN RADIUS: 0.539
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.261	-0.267
2:	0.071	1.018
3:	0.325	1.037
4:	0.420	-0.409
5:	0.130	0.213
6:	-0.025	0.209
7:	-0.207	0.005
8:	-0.051	-0.219
9:	0.243	-0.336
10:	-0.009	-0.034

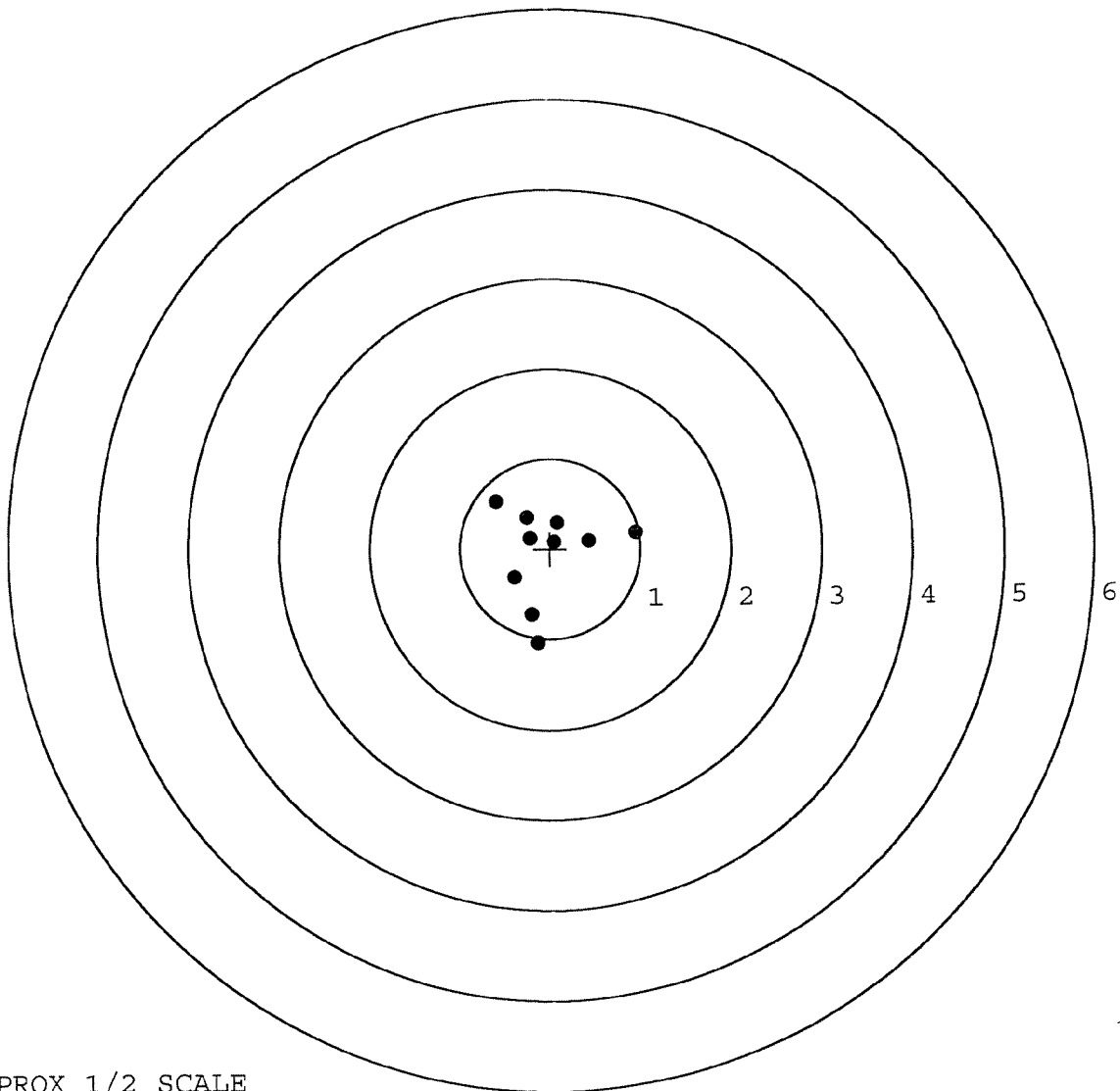


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6616342. __0
TARGET NUMBER: 3
FILE DATE: 12/12/2006
FILE TIME: 05:48

X CENTROID: -0.031
Y CENTROID: -0.048
POA TO CENTROID: 0.057
HORZ SPREAD: 1.552
VERT SPREAD: 1.580
GROUP SPREAD: 1.645
MIN RADIUS: 0.150
MAX RADIUS: 1.009
MEAN RADIUS: 0.569
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.145	-1.049
2:	-0.207	-0.736
3:	-0.396	-0.322
4:	0.953	0.176
5:	0.430	0.088
6:	-0.599	0.531
7:	0.082	0.289
8:	-0.255	0.349
9:	0.051	0.078
10:	-0.225	0.120



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6616342. __0

TARGET NUMBER: 4

FILE DATE: 12/12/2006

FILE TIME: 05:48

POINT#	X	-Y
1:	-0.722	-0.531
2:	0.100	-0.663
3:	0.178	-0.297
4:	0.751	0.414
5:	-0.374	0.496
6:	-0.904	0.402
7:	0.319	0.251
8:	-0.185	0.175
9:	0.076	0.073
10:	0.125	-0.517

X CENTROID: -0.064

Y CENTROID: -0.020

POA TO CENTROID: 0.067

HORZ SPREAD: 1.655

VERT SPREAD: 1.159

GROUP SPREAD: 1.655

MIN RADIUS: 0.168

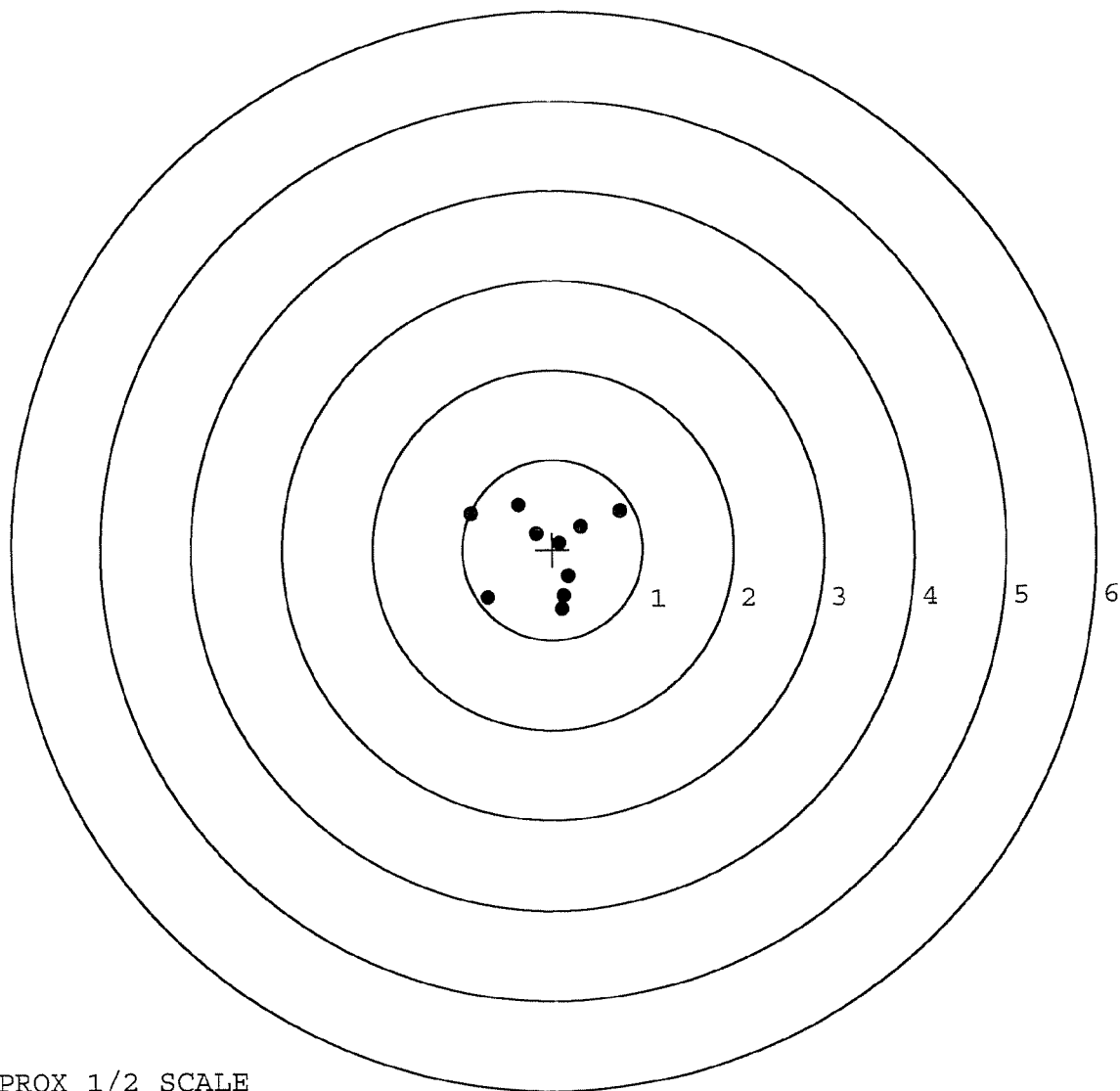
MAX RADIUS: 0.940

MEAN RADIUS: 0.573

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

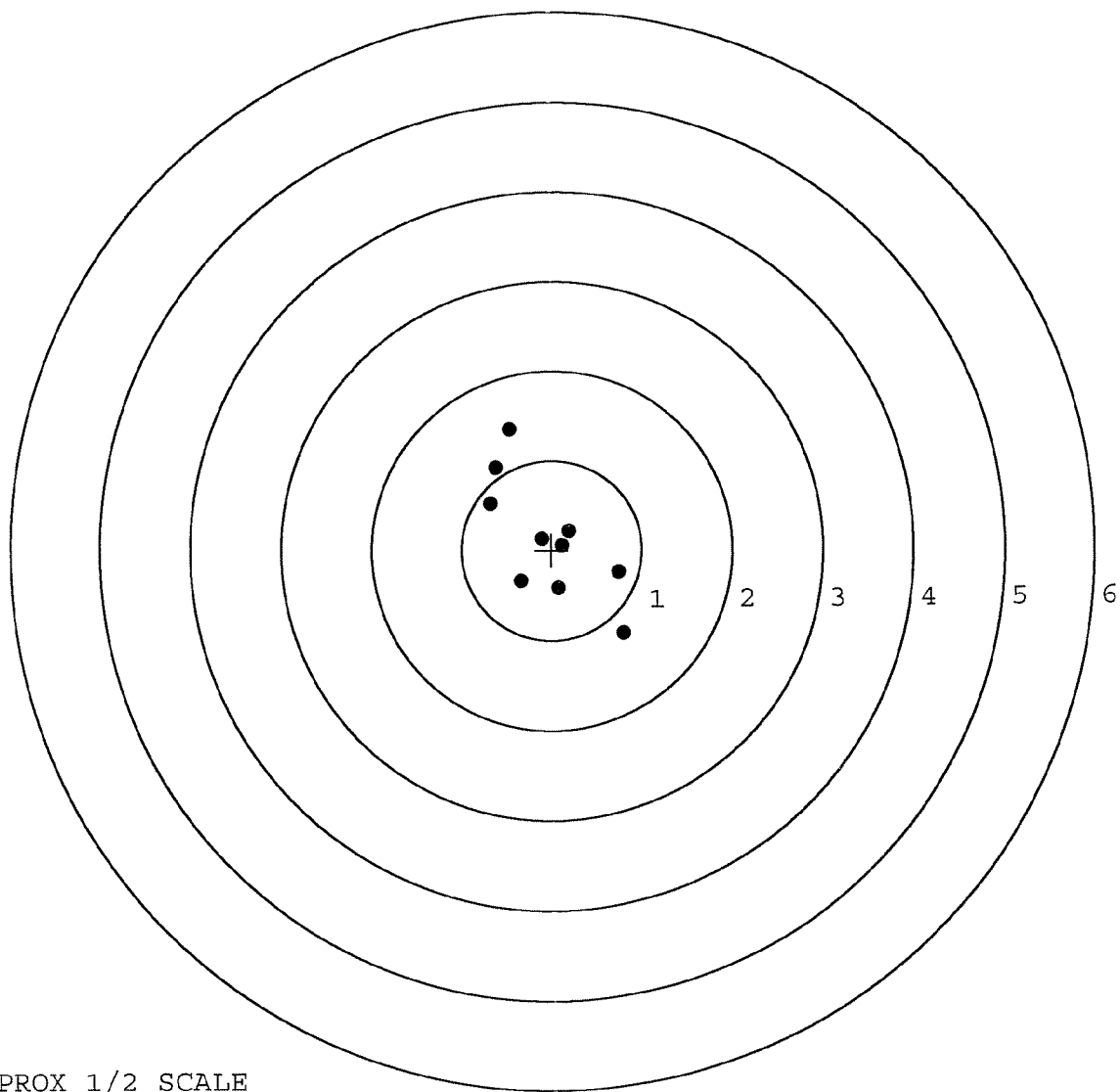


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6616342.___0
TARGET NUMBER: 5
FILE DATE: 12/12/2006
FILE TIME: 05:48

X CENTROID: -0.027
Y CENTROID: 0.120
POA TO CENTROID: 0.123
HORZ SPREAD: 1.478
VERT SPREAD: 2.282
GROUP SPREAD: 2.607
MIN RADIUS: 0.082
MAX RADIUS: 1.339
MEAN RADIUS: 0.688
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.800	-0.933
2:	0.745	-0.260
3:	0.078	-0.432
4:	-0.346	-0.353
5:	0.119	0.052
6:	-0.109	0.120
7:	-0.678	0.525
8:	-0.617	0.922
9:	-0.461	1.349
10:	0.196	0.210



TARGET APPROX 1/2 SCALE

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

3032

R & E NUMBER	<u>120082</u>		
SERIAL NUMBER	06498849 <u>G-6616342</u>		
LOG-IN DATE	<u>11-10-06</u>		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	<u>11-27-06</u>	<u>RTZ</u>
505	RE-BARREL	<u>11-28-06</u>	<u>RTZ</u>
420	ASSEMBLE	<u>11-28-06</u>	<u>RTZ</u>
440	PROOF	<u>11-28-06</u>	<u>TRW</u>
460	CHECK HEADSPACE	<u>11-28-06</u>	<u>TRW</u>
470	DIS-ASSEMBLE GUN	<u>11-28-06</u>	<u>RTZ</u>
480	MAGNAFLUX	<u>11/29/06</u>	<u>mmms</u>
510	DRILL AND TAP		
500	ROLLMARK CALIBER	<u>11-29-06</u>	<u>CW</u>
520	GOFF BLAST BBL / REC		
530 & 540	APPLY COATINGS	<u>12/4/06</u>	<u>RB</u>
560	FINAL ASSEMBLY	<u>12-4-06</u>	<u>RTZ</u>
640	FUNCTION TEST AND	<u>12-11-06</u>	<u>TRW</u>
650	TARGET	<u>12-11-06</u>	<u>TRW</u>
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	<u>12-6-06</u>	<u>RTZ</u>
	A) HEADSPACE	<u>12-6-06</u>	<u>RTZ</u>
	B) TRIGGER PULL	<u>2.44 2.54 2.48 2.55 2.60</u>	<u>DA</u>
680	F) SAFETY ON FORCE	<u>50 50 50</u>	<u>DA</u>
	G) SAFETY OFF FORCE	<u>2.5 2.0 2.5</u>	<u>DA</u>
	I) FIRING PIN INDENT	<u>.023 .023 .023</u>	<u>DA</u>
690	PACK	<u>12-7-06</u>	<u>DA</u>

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY

BARREL

RECEIVER

FRONT SIGHT BASE

REAR SIGHT BASE

SCREWS

FINISH

SCOPE ASSEMBLY

SCOPE

SCOPE RINGS

MOUNTING SCREWS

MOUNTING BASE

SCREWS

FINISH

CLARITY

STOCK ASSEMBLY

STOCK

SLING SWIVEL STUDS

BUTT PATE

LOCK NUTS

BARREL CLEARANCE

COLOR / FINISH

SYSTEM CASE

SCOPE CASE

IRON SIGHTS

DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION

RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

Remington



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

MODEL 700™ N24

SERIAL NO.
C6498849

ORDER NO.
5716

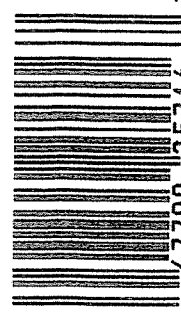
MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6498849

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498849

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 17	90	RW
600	Proof	5 17	90	RW
607	Check Headspace	5 17	90	RW
610	Dis-assemble Gun	5 17	90	RW
612	Magnaflux Barrel Action		5/22/90	KCR
	Magnaflux Bolt		6/22/90	KCR
615	Rollmark Caliber		5/22/90	KCR
617	Drill and Tap Sight Holes		5/23/90	LB
618	Polish Barrel <i>LB</i>		5/24/90	LB
620	Apply Coatings (Barrel Action)		6-4-90	TJH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		6/4/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/4/90	RW
	C) Inspect Ejector Hole for Chamfer		6/4/90	RW
	D) Oil Firing Pin Ass'y		6/4/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-11-90	921

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3	3	3			6/12/90	JH
	G) Safety Off Force	2	2	2			6/12/90	JH
	H) Trigger Pull Test & Retainability						6-11-90	JH
	I) Firing Pin Indent	.022	.022	.022			6/12/90	JH
	J) Assemble Stock						6/12/90	RW
	K) Assemble Swivel Studs						6/14/90	JH
	L) Attach Front and Rear Sight Assemblies						6/12/90	RW
	M) Iron Sight Alignment						6/12/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/12/90	RW
	O) Attach Scope to Rifle						4/12/90	JH
	P) Detach & Attach Scope 20 Times						6/12/90	JH
640	Gallery Target & Test						6/12/90	KJ
	A) Time						6/12/90	KJ
	B) Malfunctions						6/12/90	KJ
	C) Pierced Primers						6/12/90	KJ
	D) Optical Clarity of Scope						6/12/90	KJ
645	Inspect for Live Ammo						6/12/90	KJ
655	Final Inspection							
	A) Headspace						6/14/90	JH
	B) Trigger Pull	2.15	2.16	2.16	2.20	2.14	4/13/90	JH
	C) Function						6/14/90	JH
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 66498849

DATE 6-11-90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.25	2.30	2.15	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.26	2.21	2.33	2.16	
PULL #3	2.26	2.24	2.40	2.16	
PULL #4	2.23	2.20	2.23	2.20	
PULL #5	2.18	2.22	2.20	2.16	
TOTAL	11.17	11.12	11.46		
AVG.	2.234	2.224	2.292		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.41		
PULL #2	3.45	3.27		
PULL #3	3.47	3.23		
PULL #4	3.44	3.18		
PULL #5	3.40	3.18		
TOTAL	17.25	16.27		
AVG.	3.45	3.254		

	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		4.26
PULL #2	4.40	4.26		4.25
PULL #3	4.15	4.45		4.24
PULL #4	4.24	4.48		4.31
PULL #5	4.39	4.39		4.12
TOTAL	21.42	21.96		21.18
AVG.	4.284	4.392		4.236

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498849
13 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.960151
1 TO	2	.362008
1 TO	3	.70728
1 TO	4	1.08967
1 TO	5	.544063

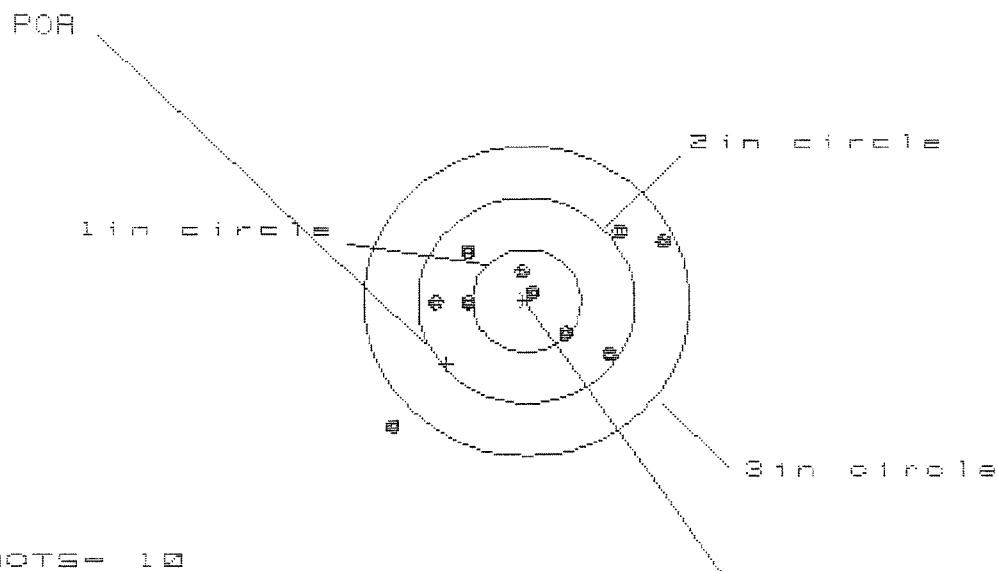
$\begin{matrix} & 2 & 1 \\ & 3 & 5 \\ + & + & \end{matrix}$ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2656
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4276
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .503374
THE AMR FOR THIS RIFLE IS: .8728

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B049

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.515

VS= 1.886

GS= 3.070

CENTROID *

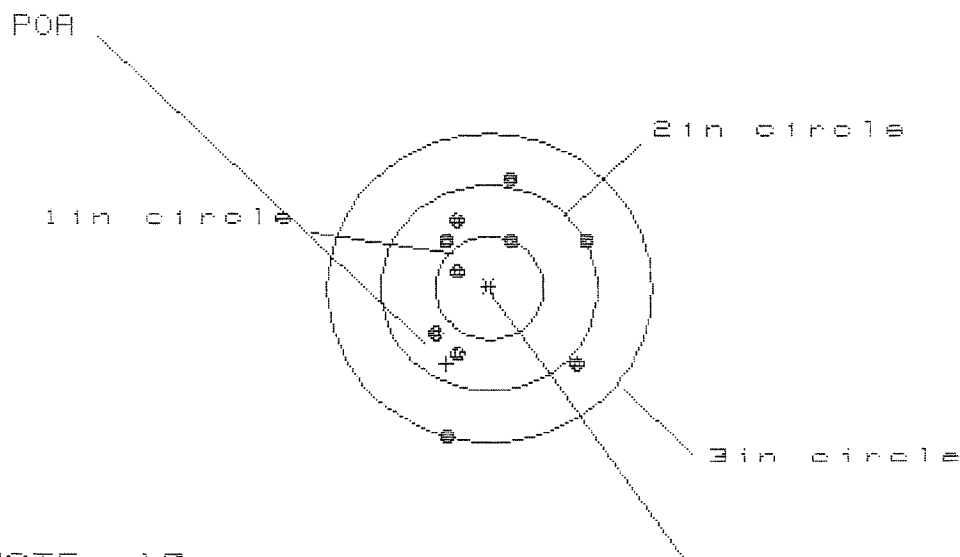
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.258	1.118	.837
MINIMUM X	:	-1.257	-.939	-.799
MAXIMUM Y	:	.700	.568	.623
MINIMUM Y	:	-1.186	-.681	-.626
CENTROID X	:	.739	.879	.739
CENTROID Y	:	.613	.745	.690
POR TO CENTROID in.:	:	.961	1.152	1.011
MIN RADIUS	:	.112	.085	.067
MEAN RADIUS	:	.816	.706	.619
MAX RADIUS	:	1.729	1.203	1.043
HORIZONTAL SPREAD	:	2.515	2.057	1.636
VERTICAL SPREAD	:	1.886	1.249	1.249
EXTREME SPREAD	:	3.070	2.145	1.793
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498849

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 1.450

VS= 2.519

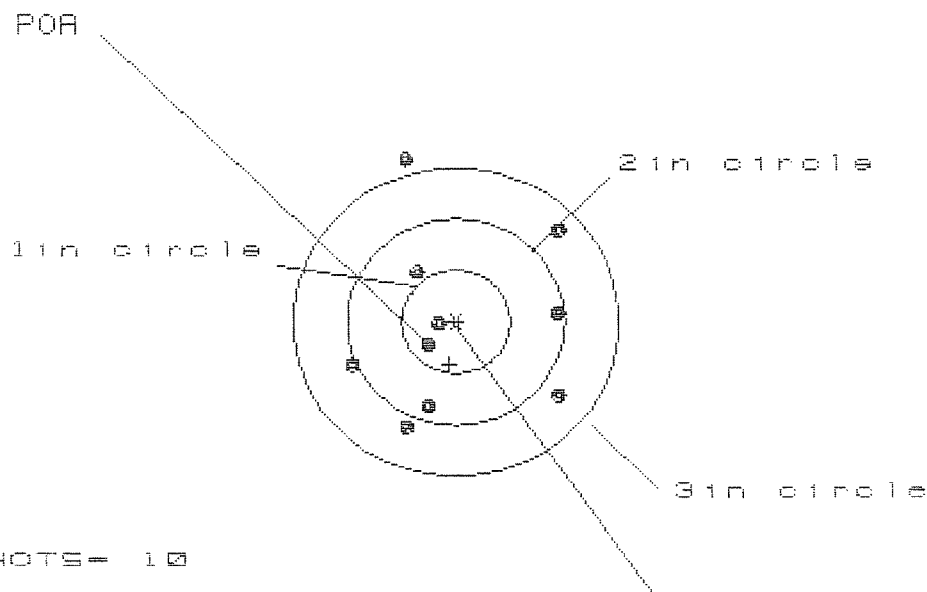
GS= 2.591

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.939	.898	.989
MINIMUM X	:	-.511	-.552	-.461
MAXIMUM Y	:	1.060	.898	.780
MINIMUM Y	:	-1.459	-.948	-.944
CENTROID X	:	.400	.441	.350
CENTROID Y	:	.740	.902	1.020
POA TO CENTROID in.	:	.841	1.004	1.079
MIN RADIUS	:	.338	.338	.275
MEAN RADIUS	:	.833	.734	.642
MAX RADIUS	:	1.504	1.193	1.007
HORIZONTAL SPREAD	:	1.450	1.450	1.450
VERTICAL SPREAD	:	2.519	1.846	1.724
EXTREME SPREAD	:	2.591	1.919	1.798
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498849

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS- 1.962

VS- 2.527

GS- 2.634

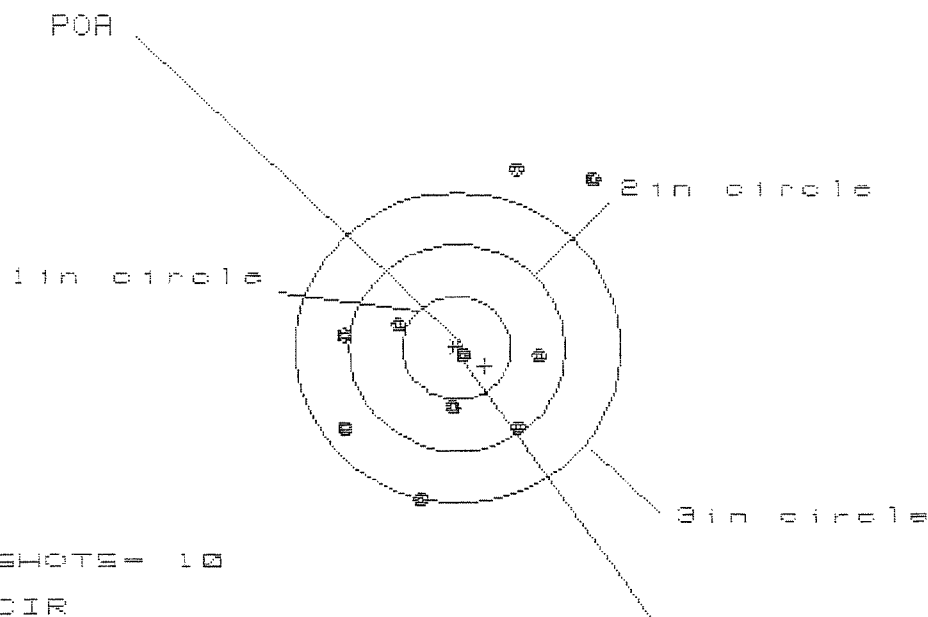
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.986	.936	1.039
MINIMUM X	:	-.976	-1.026	-.909
MAXIMUM Y	:	1.540	1.089	.815
MINIMUM Y	:	-.987	-.815	-.679
CENTROID X	:	.060	.110	-.007
CENTROID Y	:	.415	.243	.107
POA TO CENTROID in.	:	.419	.267	.108
MIN RADIUS	:	.189	.299	.257
MEAN RADIUS	:	.923	.840	.734
MAX RADIUS	:	1.604	1.436	1.122
HORIZONTAL SPREAD	:	1.962	1.962	1.948
VERTICAL SPREAD	:	2.527	1.904	1.494
EXTREME SPREAD	:	2.634	2.383	2.020
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498849

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.285

VS = 3.167

GS = 3.429

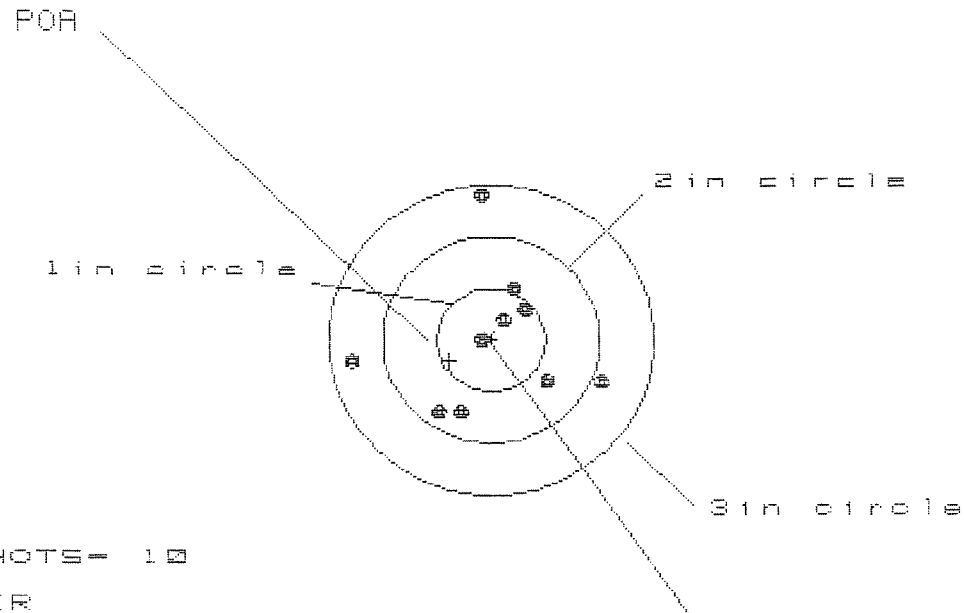
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.207	.868	.958
MINIMUM X	:	-1.078	-.944	-.854
MAXIMUM Y	:	1.711	1.888	.650
MINIMUM Y	:	-1.456	-1.279	-1.043
CENTROID X	:	-.257	-.391	-.481
CENTROID Y	:	.171	-.006	-.242
POA TO CENTROID in.	:	.308	.391	.538
MIN RADIUS	:	.075	.177	.247
MEAN RADIUS	:	1.058	.922	.770
MAX RADIUS	:	2.000	2.020	1.052
HORIZONTAL SPREAD	:	2.285	1.812	1.812
VERTICAL SPREAD	:	3.167	3.167	1.693
EXTREME SPREAD	:	3.429	3.304	1.868
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B849

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 2.267

VS = 2.145

GS = 2.278

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.997	.985	.824
MINIMUM X	:	-1.278	-1.282	-.678
MAXIMUM Y	:	1.423	.707	.700
MINIMUM Y	:	-.722	-.564	-.571
CENTROID X	:	.386	.398	.559
CENTROID Y	:	.199	.041	.048
POA TO CENTROID in.	:	.434	.401	.561
MIN RADIUS	:	.101	.216	.318
MEAN RADIUS	:	.734	.665	.572
MAX RADIUS	:	1.427	1.284	.880
HORIZONTAL SPREAD	:	2.267	2.267	1.494
VERTICAL SPREAD	:	2.145	1.271	1.271
EXTREME SPREAD	:	2.278	2.278	1.521
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	