

C6349049

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



M2400106686

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Ohio NAT Guard

2 each

Spotting Scope
Flash Suppressor

ARD

Sling
Instruction Book

Deployment Kit
Scope

Scope Rings

Scope Case

Soft Case

2-18-09

01/26/09 11:36:18

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: RE00158694

Serial: C6349049 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/19/1990

Repairman:

Verify Repair

Status:

Closed 1/13/2009 9:25:11 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: CTRP 2-107TH CAV

CTRP 2-107TH CAV

Address 1: 39 WEAVER STREET

39 WEAVER STREET

Address 2:

PO Box:

PO Box:

City: KENIA

KENIA

State: OH

Zip Code: 45385

Country: US

State: OH

Zip Code: 45385

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: RN

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 Sgl Base	1

Repair Search

Refresh

Close

nagletj

1/26/2009

11:36 AM

CAPS

NUM

INS

SCPL

start

Inbox - Micros...

FW: Request...

Ilion 19 Feb - ...

(UNCLASSIFIED...

Microsoft Exc...

Arms Services...

Arms Services...

Serial Number:

C6349049

Model: M24 SWS



RE00158694

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

R & E NUMBER <u>158624</u>			
SERIAL NUMBER <u>C6349049</u>			
LOG-IN DATE <u>1-13-09</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-28-09	RTZ
505	RE-BARREL	1-29-09	RTZ
560	ASSEMBLE	1-29-09	RTZ
600	PROOF	1-29-09	RTZ
605	CHECK HEADSPACE	1-29-09	RTZ
610	DIS-ASSEMBLE GUN	1-29-09	RTZ
612	MAGNAFLUX	2/2/09	RTZ
510	DRILL AND TAP	1-30-09	SP
615	ROLLMARK CALIBER	2/3/09	RTZ
618	ROTO-BLAST	2/3/09	RTZ
620	APPLY COATINGS	2-5-09	RTZ
625	FINAL ASSEMBLY	2-6-09	RTZ
640	FUNCTION TEST AND	PASS FAIL	2-6-09 RTZ
650	TARGET	PASS FAIL	2-6-09 RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		2-9-09 RTZ
	A) HEADSPACE	PASS FAIL	2-9-09 RTZ
	B) TRIGGER PULL	2.37 2.38 2.38 2.37 2.38	2-9-09 TC
680	F) SAFETY ON FORCE	4.0 4.0 3.0	2-9-09 RTZ
	G) SAFETY OFF FORCE	5.0 5.0 5.0	2-9-09 RTZ
	I) FIRING PIN INDENT	.020 .021 .021	2-9-09 RTZ
690	PACK		2/10/09 FM

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

NMP COPY 2

OHIO

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400106691

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349049.___0
FILE DATE AND TIME: 02/09/2009 05:19

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.015
The Average Y Centroid of the Five Target Set:	0.087
The Average Point of Impact of the Five Target Set:	0.088
The Average Mean Radius of the Five Target Set:	0.907
The Distance from POA to Centroid Target #1:	0.385
The Distance from Centroid Target #2 to Centroid Target #1:	0.520
The Distance from Centroid Target #3 to Centroid Target #1:	0.382
The Distance from Centroid Target #4 to Centroid Target #1:	0.245
The Distance from Centroid Target #5 to Centroid Target #1:	0.596

SERIAL NUMBER: C6349049. 0

TARGET NUMBER: 1

FILE DATE: 02/09/2009

FILE TIME: 05:19

POINT#	X	Y
1:	-2.317	1.426
2:	-1.303	-0.583
3:	-0.489	-0.481
4:	-0.008	0.840
5:	-0.311	0.655
6:	-0.391	0.335
7:	-0.007	0.091
8:	0.381	-0.020
9:	0.960	0.184
10:	0.835	0.343

X CENTROID: -0.265

Y CENTROID: 0.279

POA TO CENTROID: 0.385

HORZ SPREAD: 3.277

VERT SPREAD: 2.009

GROUP SPREAD: 3.504

MIN RADIUS: 0.138

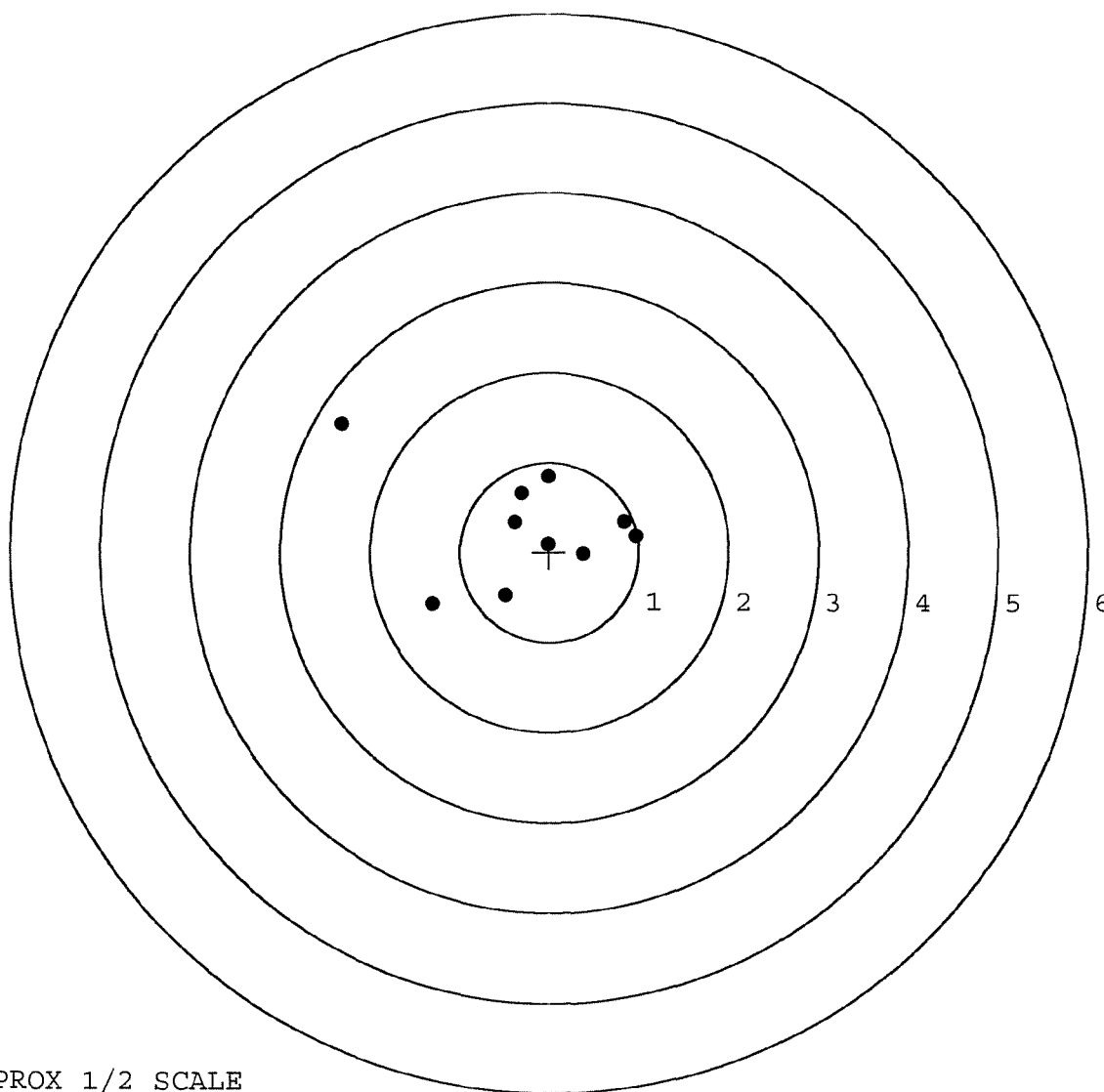
MAX RADIUS: 2.351

MEAN RADIUS: 0.899

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349049. __0

TARGET NUMBER: 2

FILE DATE: 02/09/2009

FILE TIME: 05:19

POINT#	X	Y
1:	1.258	1.299
2:	1.978	0.083
3:	1.181	-0.643
4:	-1.282	-1.443
5:	-0.862	0.673
6:	-0.651	-0.148
7:	-0.513	-0.667
8:	0.188	-0.245
9:	0.273	0.222
10:	-0.230	0.330

X CENTROID: 0.134

Y CENTROID: -0.054

POA TO CENTROID: 0.144

HORZ SPREAD: 3.260

VERT SPREAD: 2.742

GROUP SPREAD: 3.738

MIN RADIUS: 0.199

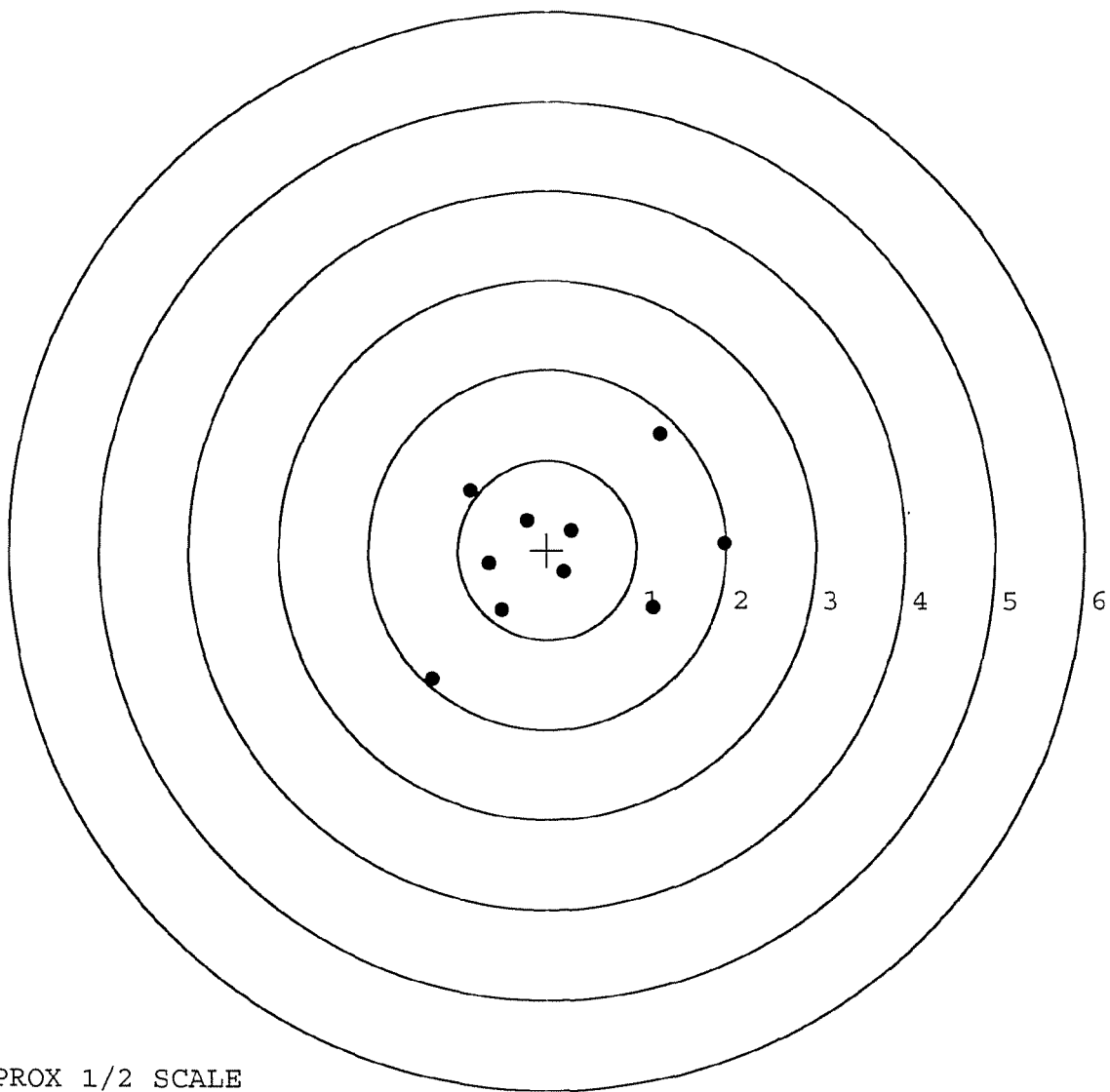
MAX RADIUS: 1.984

MEAN RADIUS: 1.074

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349049. __ 0

TARGET NUMBER: 3

FILE DATE: 02/09/2009

FILE TIME: 05:19

POINT#	X	Y
1:	0.681	-1.424
2:	0.893	-0.065
3:	0.607	0.466
4:	0.326	0.089
5:	-0.048	-0.059
6:	-0.393	0.169
7:	-0.718	0.556
8:	-0.345	-0.522
9:	-1.154	-0.428
10:	0.102	1.205

X CENTROID: -0.005

Y CENTROID: -0.001

POA TO CENTROID: 0.005

HORZ SPREAD: 2.047

VERT SPREAD: 2.629

GROUP SPREAD: 2.692

MIN RADIUS: 0.072

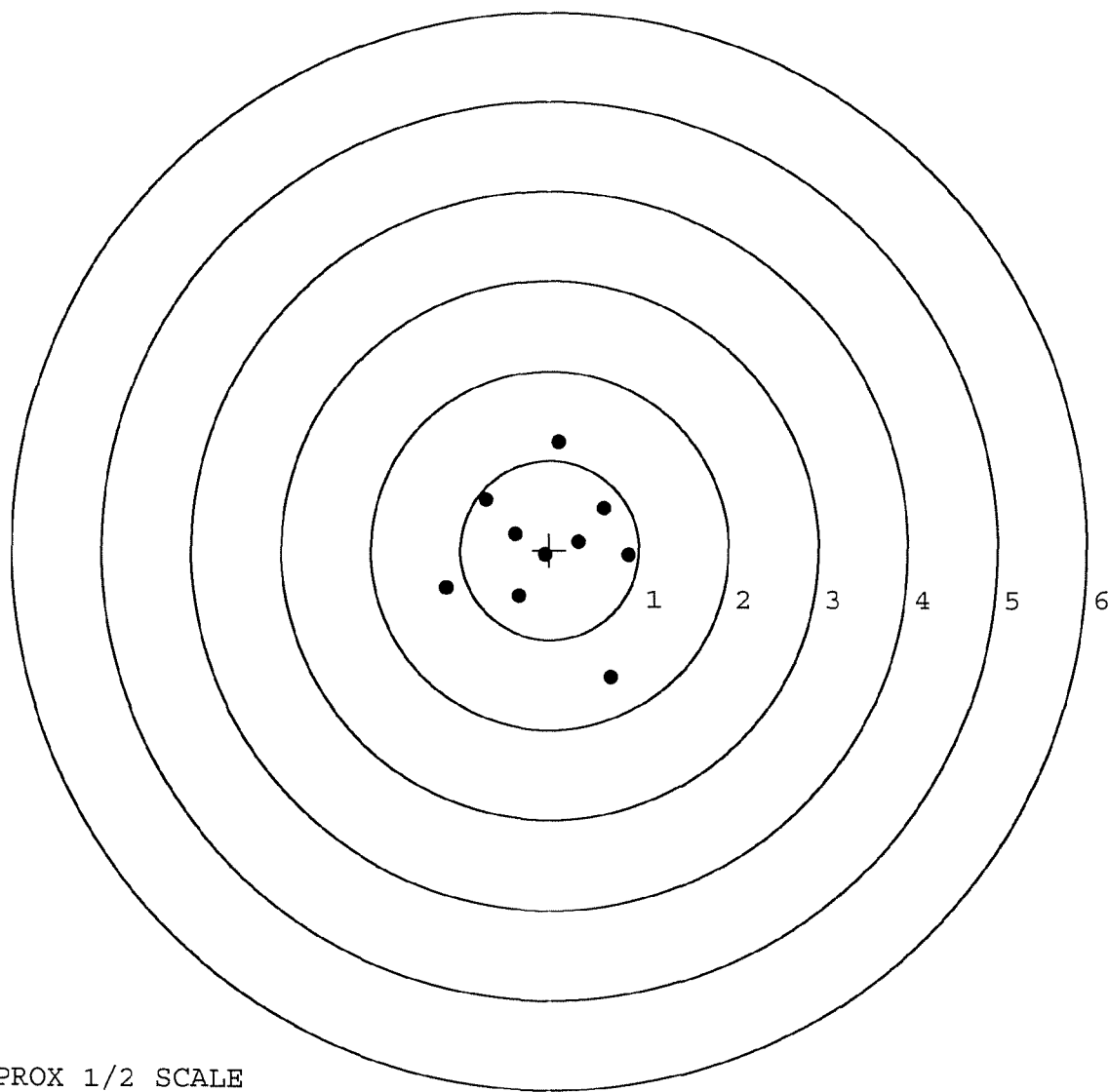
MAX RADIUS: 1.579

MEAN RADIUS: 0.805

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349049. 0

TARGET NUMBER: 4

FILE DATE: 02/09/2009

FILE TIME: 05:19

POINT#	X	Y
1:	1.128	1.181
2:	0.839	0.945
3:	-0.420	1.143
4:	-0.489	0.168
5:	-0.108	0.328
6:	0.224	0.188
7:	-0.097	-0.613
8:	0.098	-0.431
9:	-0.007	-0.213
10:	-1.377	-0.062

X CENTROID: -0.021

Y CENTROID: 0.263

POA TO CENTROID: 0.264

HORZ SPREAD: 2.505

VERT SPREAD: 1.794

GROUP SPREAD: 2.796

MIN RADIUS: 0.108

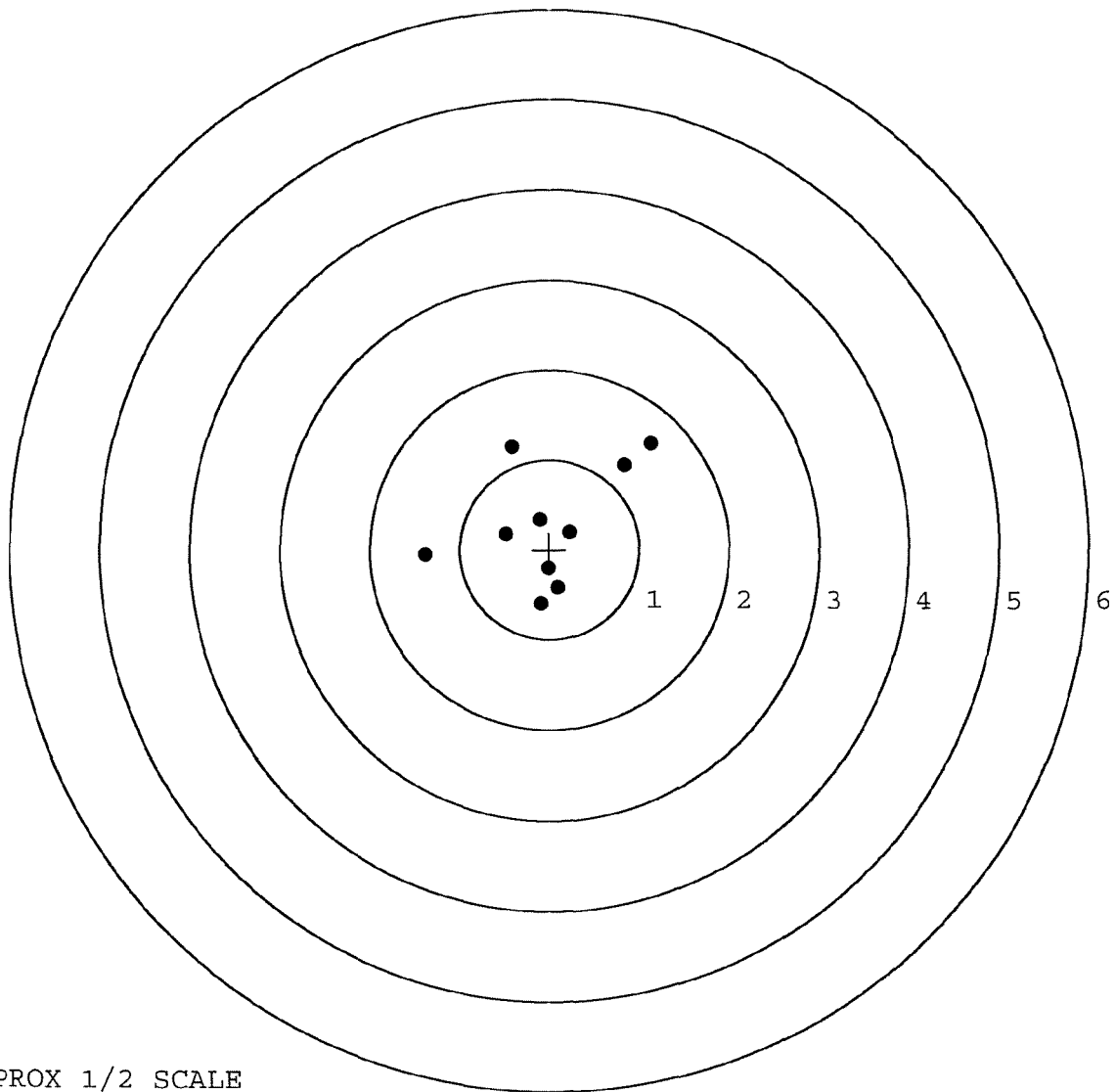
MAX RADIUS: 1.470

MEAN RADIUS: 0.783

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349049. __0

TARGET NUMBER: 5

FILE DATE: 02/09/2009

FILE TIME: 05:19

POINT#	X	Y
--------	---	---

1:	-0.922	1.290
----	--------	-------

2:	-0.392	1.097
----	--------	-------

3:	-0.056	0.671
----	--------	-------

4:	1.624	-0.080
----	-------	--------

5:	0.957	-1.285
----	-------	--------

6:	-0.012	-0.549
----	--------	--------

7:	-0.279	-0.483
----	--------	--------

8:	0.140	-0.187
----	-------	--------

9:	-0.059	-0.037
----	--------	--------

10:	1.311	-0.951
-----	-------	--------

X CENTROID: 0.231

Y CENTROID: -0.051

POA TO CENTROID: 0.237

HORZ SPREAD: 2.546

VERT SPREAD: 2.575

GROUP SPREAD: 3.188

MIN RADIUS: 0.163

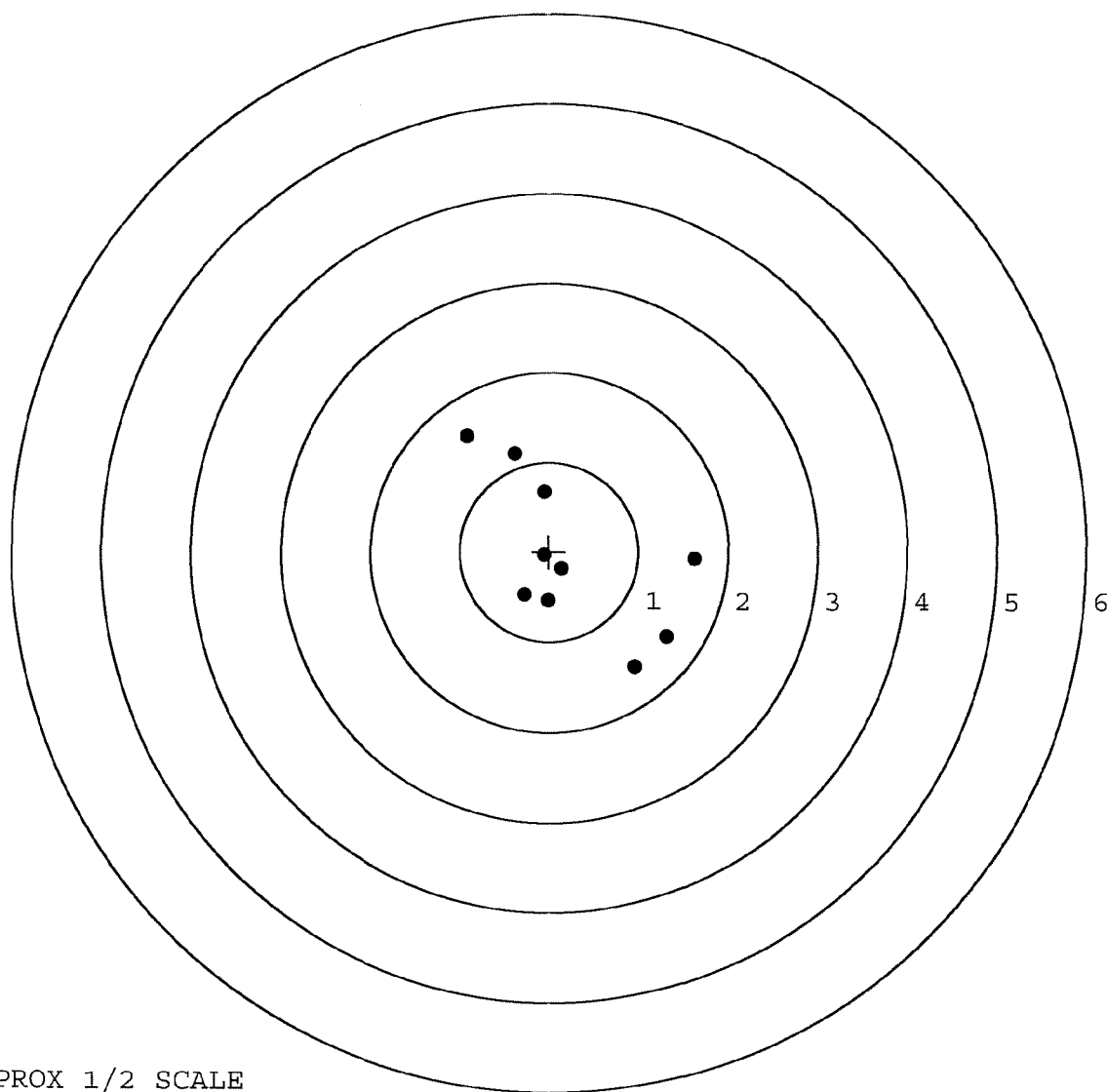
MAX RADIUS: 1.769

MEAN RADIUS: 0.976

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE



MODEL 700™ H24
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

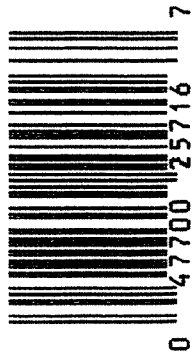


REG. U.S. PAT. & T.M. OFF.
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. C6349049	ORDER NO. 5716



UPC



RC - 15
replaced

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349049

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	12-20 89	RW
600	Proof		12-20 89	A
607	Check Headspace		12-20 89	A
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action		1-5-90	KCR
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		1/5/90	JS
617	Drill and Tap Sight Holes		1/8/90	KCB
618	Polish Barrel <i>R/B</i>		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/16/90 1/16/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/16/90	RW
	C) Inspect Ejector Hole for Chamfer		1/16/90	RW
	D) Oil Firing Pin Ass'y		1/16/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/17/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1-18-90	GL
	G) Safety Off Force	4	4	4			1-18-90	GL
	H) Trigger Pull Test & Retainability						17/1/90	GL
	I) Firing Pin Indent	.020	.020	.020			1-18-90	GL
	J) Assemble Stock						3/2/90	RW
	K) Assemble Swivel Studs						3/13/90	WB
	L) Attach Front and Rear Sight Assemblies						3/2/90	RW
	M) Iron Sight Alignment						3/2/90	RW
	N) Detach Front & Rear Sights & place in numbered container						3/2/90	RW
	O) Attach Scope to Rifle						3/5/90	WB
	P) Detach & Attach Scope 20 Times						3/5/90	WB
640	Gallery Target & Test						3-5-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						3-5-90	A
655	Final Inspection						3/13/90	WB
	A) Headspace							
	B) Trigger Pull	2.60	2.35	2.33	2.33	2.37	3/13/90	GL
	C) Function						3/13/90	WB
660	Pack						20/1/90	GL

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# $\pm$.50#
3.00# $\pm$.75#
4.00# $\pm$ 1.00#

SERIAL NO. C6349049
DATE 17 Jan 90
TESTER JES

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.32	2.45	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.36	2.48	2.35	
PULL #3	2.51	2.39	2.49	2.33	
PULL #4	2.47	2.36	2.51	2.33	
PULL #5	2.36	2.20	2.23	2.37	
TOTAL	12.31	11.63	12.14		
AVG.	2.462	2.326	2.428		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.20		
PULL #2	3.08	3.21		
PULL #3	3.13	3.13		
PULL #4	3.11	3.16		
PULL #5	3.07	3.07		
TOTAL	15.51	16.77		
AVG.	3.102	3.354		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	3.95	4.01		3.76
PULL #2	3.88	4.03		3.84
PULL #3	3.90	3.84		3.89
PULL #4	3.95	3.98		3.84
PULL #5	3.93	4.01		3.83
TOTAL	19.61	19.87		19.16
AVG.	3.922	3.974		3.832

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349049
5 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.147003
1 TO	2	.215393
1 TO	3	.204198
1 TO	4	.749833
1 TO	5	.0880738

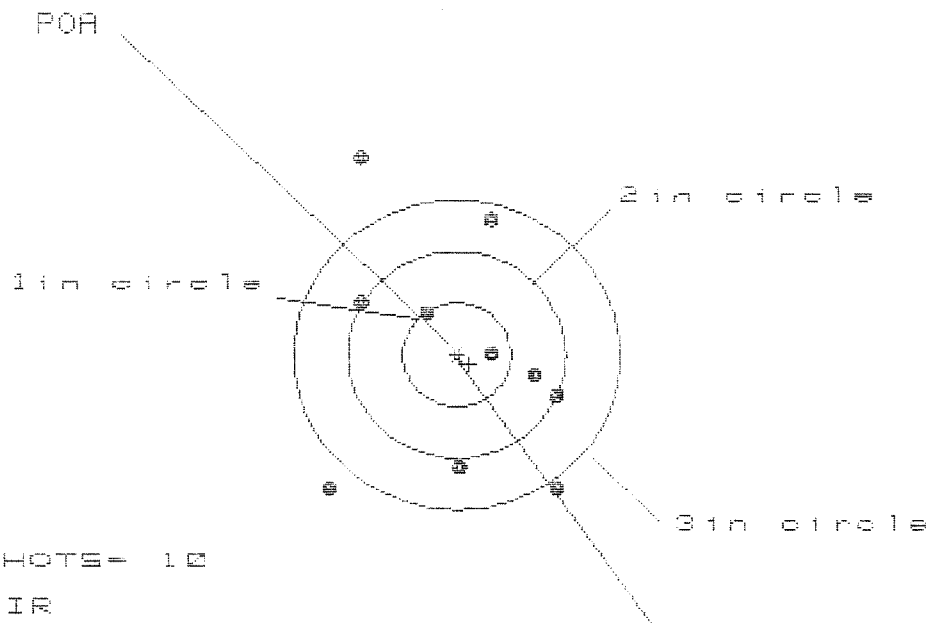
0.42 (----POA
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.144
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0716
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .160818
THE AMR FOR THIS RIFLE IS: 1.163

5 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349049

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 2.059

VS= 3.161

GS= 3.607

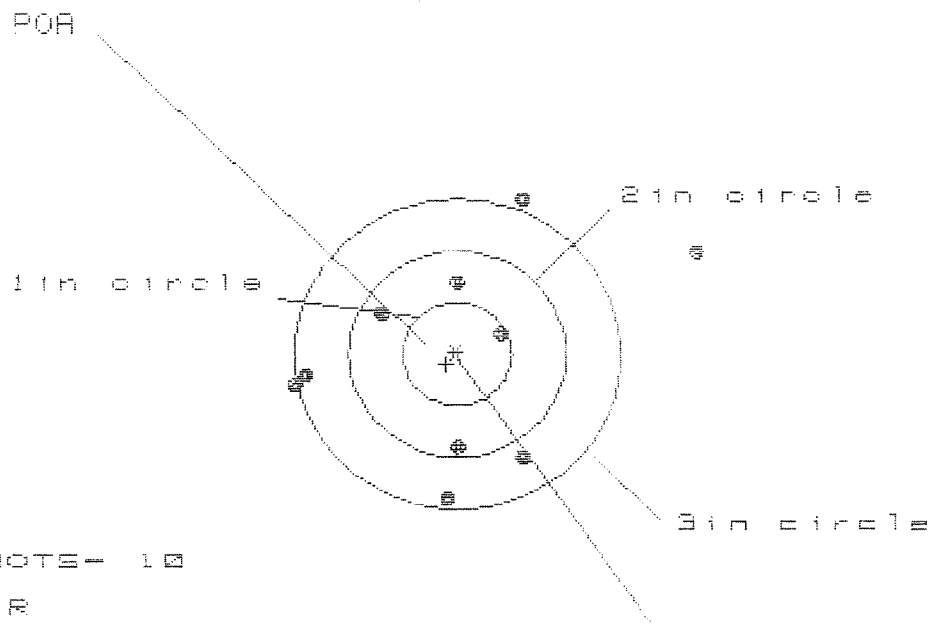
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.905	.812	.656
MINIMUM X	:	-1.154	-1.247	-1.147
MAXIMUM Y	:	1.897	1.526	1.395
MINIMUM Y	:	-1.264	-1.054	-1.185
CENTROID X	:	-.117	-.024	.132
CENTROID Y	:	.089	-.121	.009
POA TO CENTROID in.	:	.147	.124	.132
MIN RADIUS	:	.337	.325	.121
MEAN RADIUS	:	1.127	1.003	.879
MAX RADIUS	:	2.072	1.629	1.396
HORIZONTAL SPREAD	:	2.059	2.059	1.803
VERTICAL SPREAD	:	3.161	2.580	2.580
EXTREME SPREAD	:	3.607	2.948	2.654
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	7		

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06349049

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 3.795

VS= 2.883

GS= 4.027

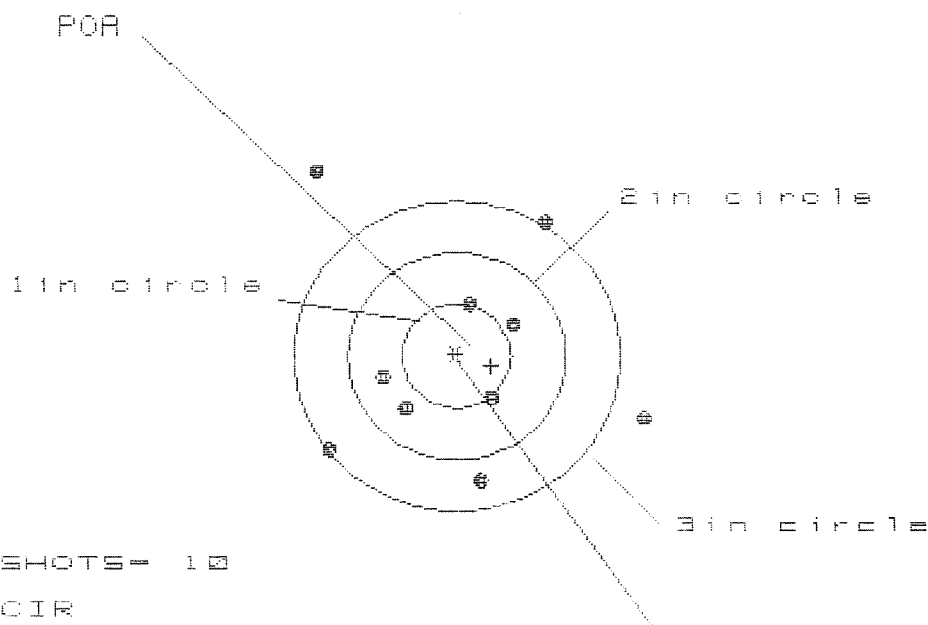
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.250	.818	.656
MINIMUM X	:	-1.545	-1.295	-1.347
MAXIMUM Y	:	1.461	1.576	1.550
MINIMUM Y	:	-1.422	-1.307	-1.333
CENTROID X	:	.098	-.152	.010
CENTROID Y	:	.102	-.013	.013
POA TO CENTROID in.	:	.141	.153	.016
MIN RADIUS	:	.410	.682	.532
MEAN RADIUS	:	1.250	1.100	1.058
MAX RADIUS	:	2.475	1.775	1.683
HORIZONTAL SPREAD	:	3.795	2.113	2.063
VERTICAL SPREAD	:	2.883	2.883	2.883
EXTREME SPREAD	:	4.027	2.964	2.904
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

5 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349049

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 2.850

VS= 3.051

GS= 3.812

CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.676	1.533	.877
MINIMUM X	-1.283	-1.280	-1.088
MAXIMUM Y	1.822	1.499	1.452
MINIMUM Y	-1.229	-1.027	-1.074
CENTROID X	-.321	-.178	-.370
CENTROID Y	.098	-.104	-.057
POA TO CENTROID in.	.335	.206	.374
MIN RADIUS	.475	.272	.434
MEAN RADIUS	1.124	.978	.890
MAX RADIUS	2.229	1.648	1.696
HORIZONTAL SPREAD	2.959	2.813	1.965
VERTICAL SPREAD	3.051	2.526	2.526
EXTREME SPREAD	3.812	2.970	2.970
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

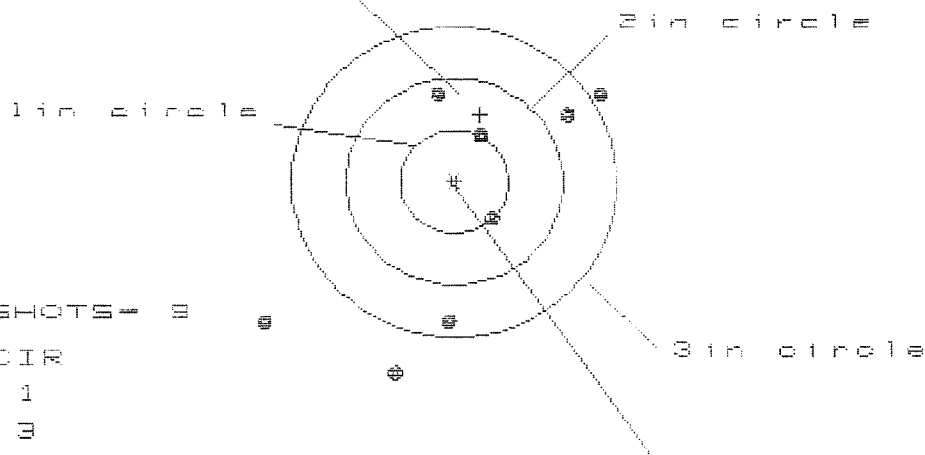
5 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6345043

CENTERFIRE PATTERNS

4

POA



OF SHOTS = 9

IN CIR

1 in = 1

2 in = 3

3 in = 5

HS = 3.078

VS = 3.984

GS = 3.984

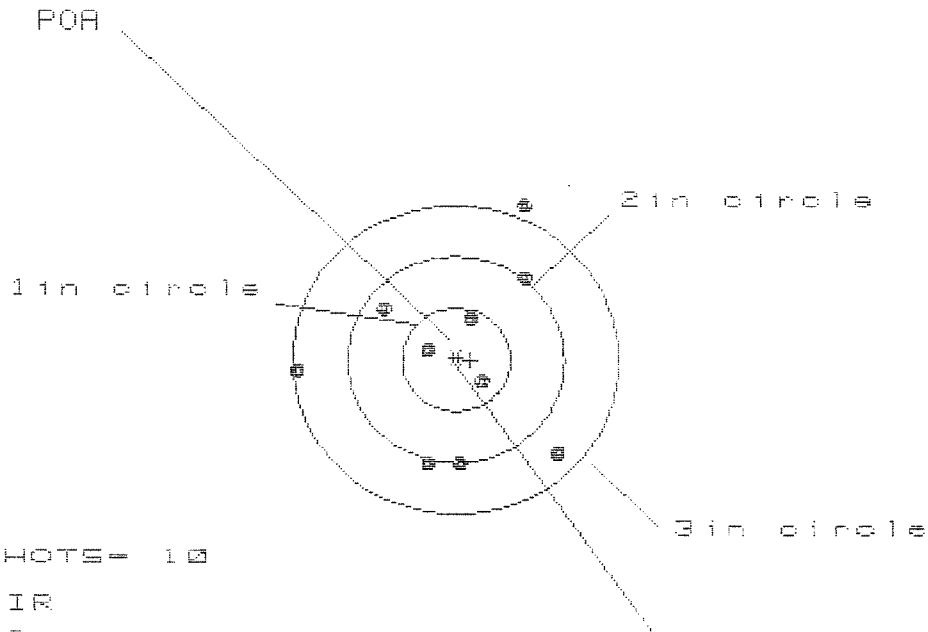
CENTROID *

PATTERN #	4	5	6
SHOTS (BEST OF)	9	8	7
MAXIMUM X	1.309	1.088	.986
MINIMUM X	-1.769	-.738	-.848
MAXIMUM Y	2.139	1.969	.976
MINIMUM Y	-1.845	-2.015	-1.733
CENTROID X	-.244	-.023	.079
CENTROID Y	-.650	-.480	-.762
POA TO CENTROID in.	.694	.481	.766
MIN RADIUS	.482	.242	.283
MEAN RADIUS	1.381	1.211	1.087
MAX RADIUS	2.229	2.146	1.926
HORIZONTAL SPREAD	3.078	1.826	1.826
VERTICAL SPREAD	3.984	3.984	2.709
EXTREME SPREAD	3.984	3.984	3.267
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	5		

5 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349049

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 2.419

VS= 2.521

GS= 2.668

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.976	1.047	.875
MINIMUM X	-1.443	-1.372	-.789
MAXIMUM Y	1.490	.927	.940
MINIMUM Y	-1.031	-.866	-.853
CENTROID X	-.136	-.207	-.035
CENTROID Y	.003	-.163	-.176
POA TO CENTROID in.	.136	.263	.179
MIN RADIUS	.262	.267	.095
MEAN RADIUS	.933	.856	.773
MAX RADIUS	1.619	1.376	1.169
HORIZONTAL SPREAD	2.419	2.419	1.664
VERTICAL SPREAD	2.521	1.793	1.793
EXTREME SPREAD	2.668	2.577	2.230
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	