

C6594659

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



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: **RE00034893** Serial: C6594659 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 11/1/01 8:32:27 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: C CO 2/3RD SFGA C CO 2/3RD SFGA

Address 1: 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

FEL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Condition: Poor

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

11/1/01 9:49 AM CAPS NUM INS SCPL

Start Inbox - M... Calendar... Microsoft... NJBGS C... Arms S... 9:49 AM

Serial Number: **C6594659**

Model: **700**



RE00034893

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594659.___0
FILE DATE AND TIME: 11/27/2001 22:46

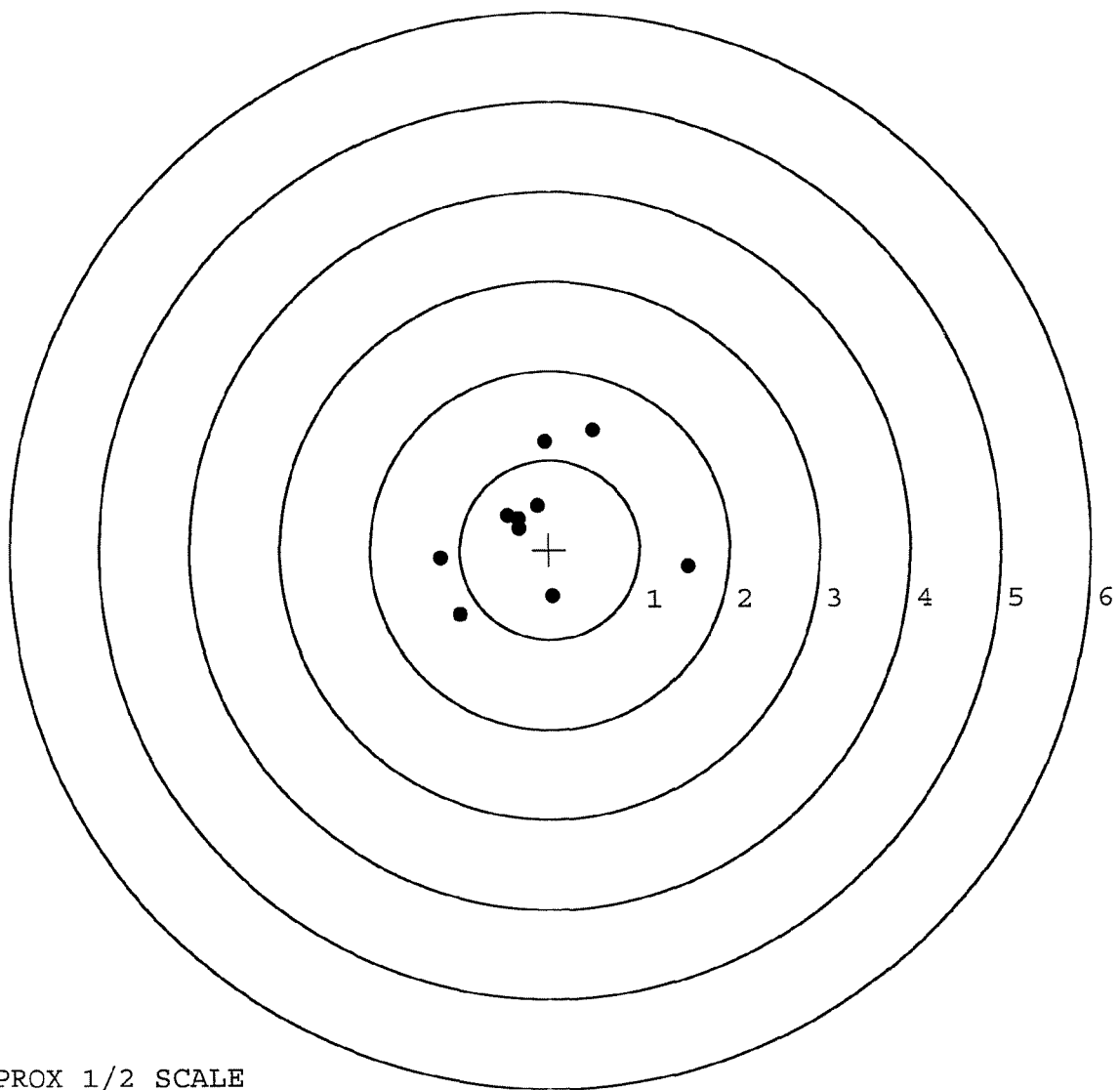
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.043
The Average Y Centroid of the Five Target Set:	0.084
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.986
The Distance from POA to Centroid Target #1:	0.286
The Distance from Centroid Target #2 to Centroid Target #1:	0.332
The Distance from Centroid Target #3 to Centroid Target #1:	0.078
The Distance from Centroid Target #4 to Centroid Target #1:	0.490
The Distance from Centroid Target #5 to Centroid Target #1:	0.078

SERIAL NUMBER: C6594659. __0
TARGET NUMBER: 1
FILE DATE: 11/27/2001
FILE TIME: 22:46

POINT#	X	Y
1:	0.474	1.334
2:	-0.047	1.202
3:	-0.138	0.490
4:	-0.343	0.234
5:	-0.468	0.381
6:	-1.210	-0.101
7:	-0.996	-0.738
8:	0.038	-0.521
9:	1.538	-0.191
10:	-0.349	0.343

X CENTROID: -0.150
Y CENTROID: 0.243
POA TO CENTROID: 0.286
HORZ SPREAD: 2.748
VERT SPREAD: 2.072
GROUP SPREAD: 2.749
MIN RADIUS: 0.193
MAX RADIUS: 1.743
MEAN RADIUS: 0.817
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594659. 0

TARGET NUMBER: 2

FILE DATE: 11/27/2001

FILE TIME: 22:46

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

1:	-0.586	0.955
----	--------	-------

2:	-0.247	0.953
----	--------	-------

3:	-0.560	0.164
----	--------	-------

4:	-1.142	0.039
----	--------	-------

5:	0.420	0.239
----	-------	-------

6:	-0.831	-0.697
----	--------	--------

7:	0.080	-0.644
----	-------	--------

8:	0.374	-0.573
----	-------	--------

9:	0.827	-0.721
----	-------	--------

10:	1.531	-0.310
-----	-------	--------

X CENTROID: -0.013

Y CENTROID: -0.060

POA TO CENTROID: 0.061

HORZ SPREAD: 2.673

VERT SPREAD: 1.676

GROUP SPREAD: 2.696

MIN RADIUS: 0.526

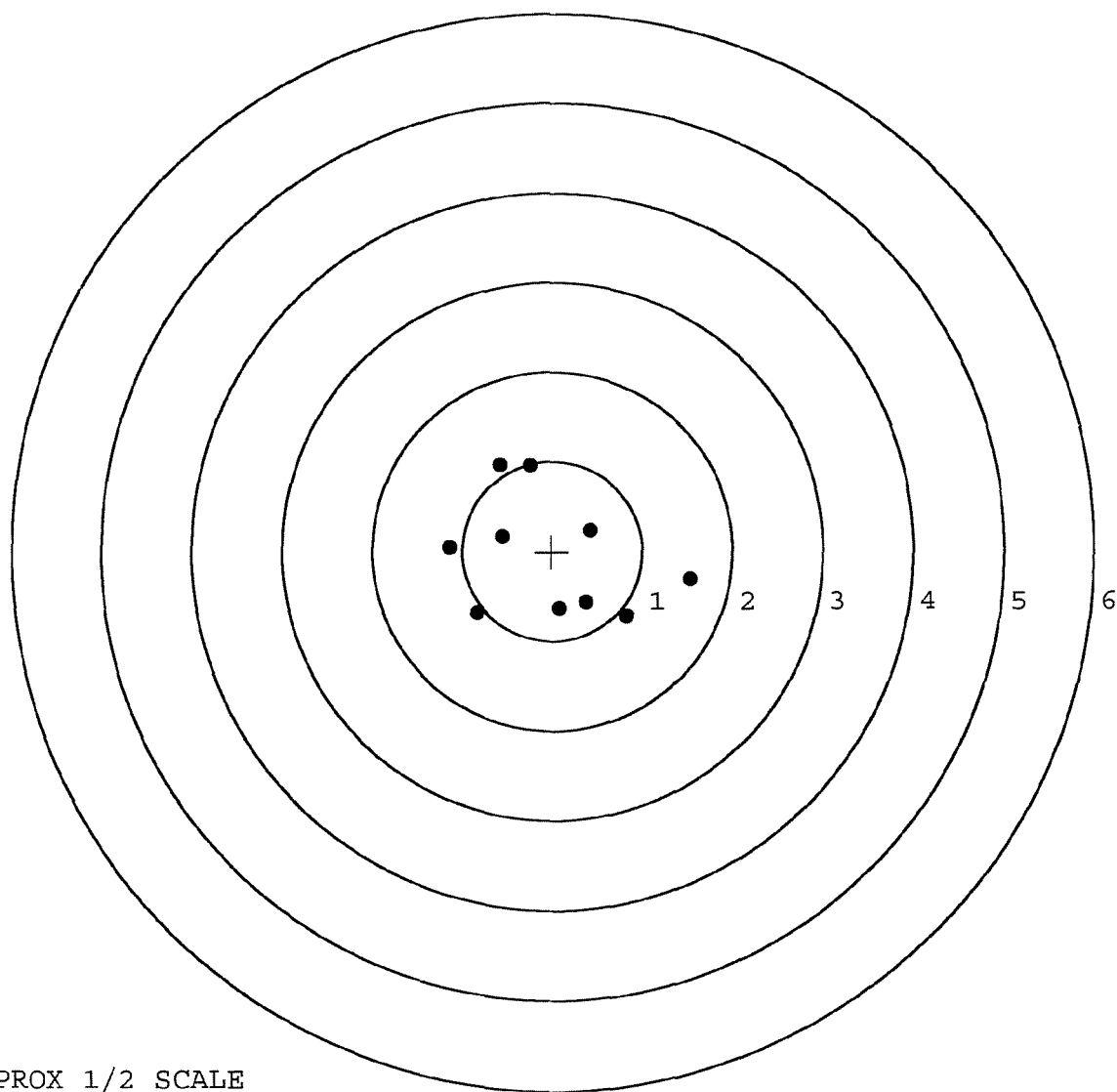
MAX RADIUS: 1.565

MEAN RADIUS: 0.936

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9

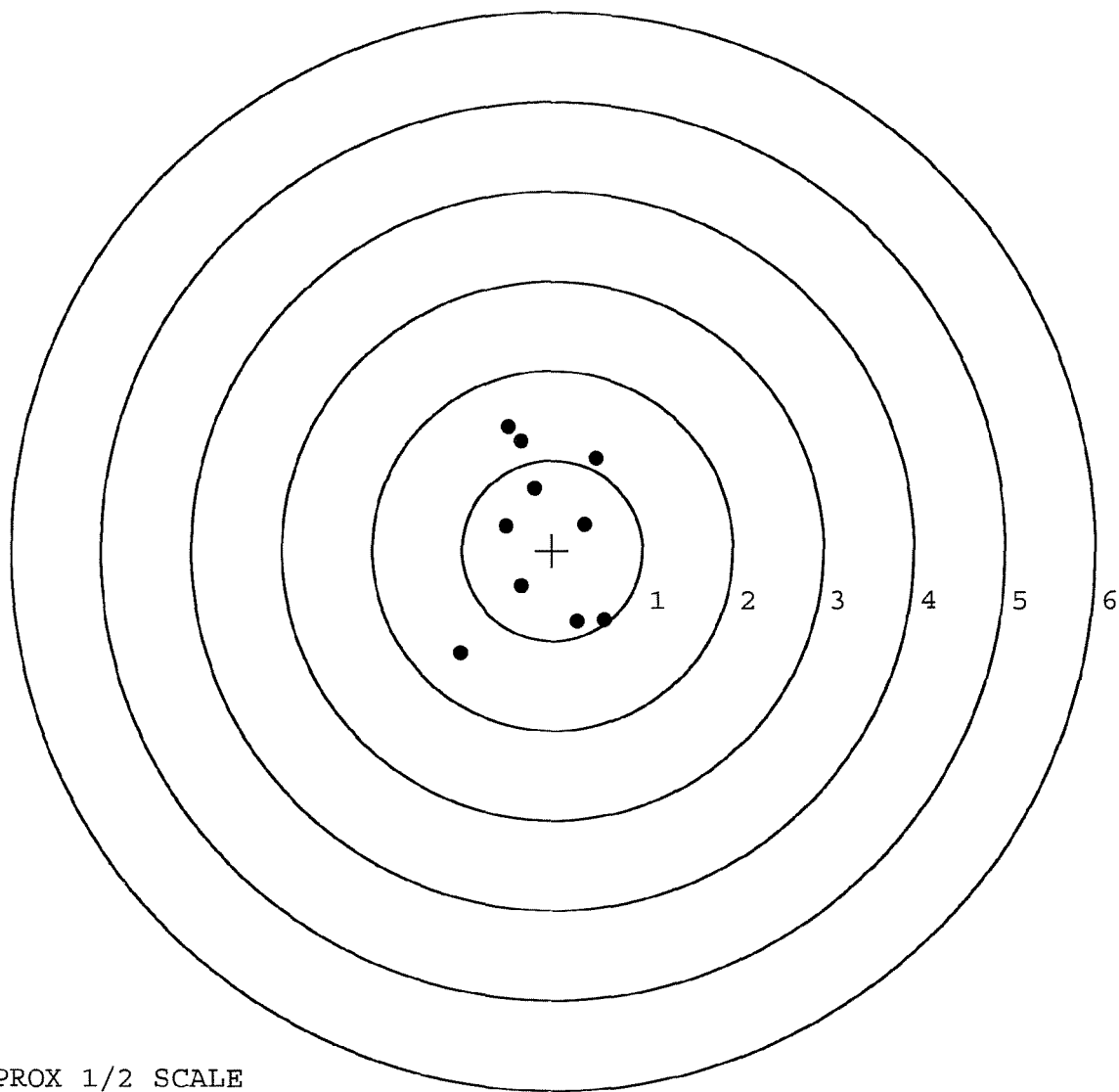


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594659. 0
TARGET NUMBER: 3
FILE DATE: 11/27/2001
FILE TIME: 22:46

X CENTROID: -0.121
Y CENTROID: 0.171
POA TO CENTROID: 0.209
HORZ SPREAD: 1.598
VERT SPREAD: 2.518
GROUP SPREAD: 2.641
MIN RADIUS: 0.408
MAX RADIUS: 1.596
MEAN RADIUS: 0.921
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.489	1.367
2:	-0.350	1.207
3:	-0.198	0.682
4:	0.483	1.023
5:	0.354	0.283
6:	-0.518	0.265
7:	-0.343	-0.406
8:	-1.017	-1.151
9:	0.284	-0.787
10:	0.581	-0.778



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594659. __0

TARGET NUMBER: 4

FILE DATE: 11/27/2001

FILE TIME: 22:46

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

1:	0.688	0.891
----	-------	-------

2:	0.568	1.081
----	-------	-------

3:	0.021	0.828
----	-------	-------

4:	-0.781	0.864
----	--------	-------

5:	-1.278	0.489
----	--------	-------

6:	-0.029	-0.422
----	--------	--------

7:	-0.583	-1.316
----	--------	--------

8:	0.546	-1.314
----	-------	--------

9:	0.764	-1.317
----	-------	--------

10:	1.526	-1.266
-----	-------	--------

X CENTROID: 0.144

Y CENTROID: -0.148

POA TO CENTROID: 0.207

HORZ SPREAD: 2.804

VERT SPREAD: 2.398

GROUP SPREAD: 3.308

MIN RADIUS: 0.324

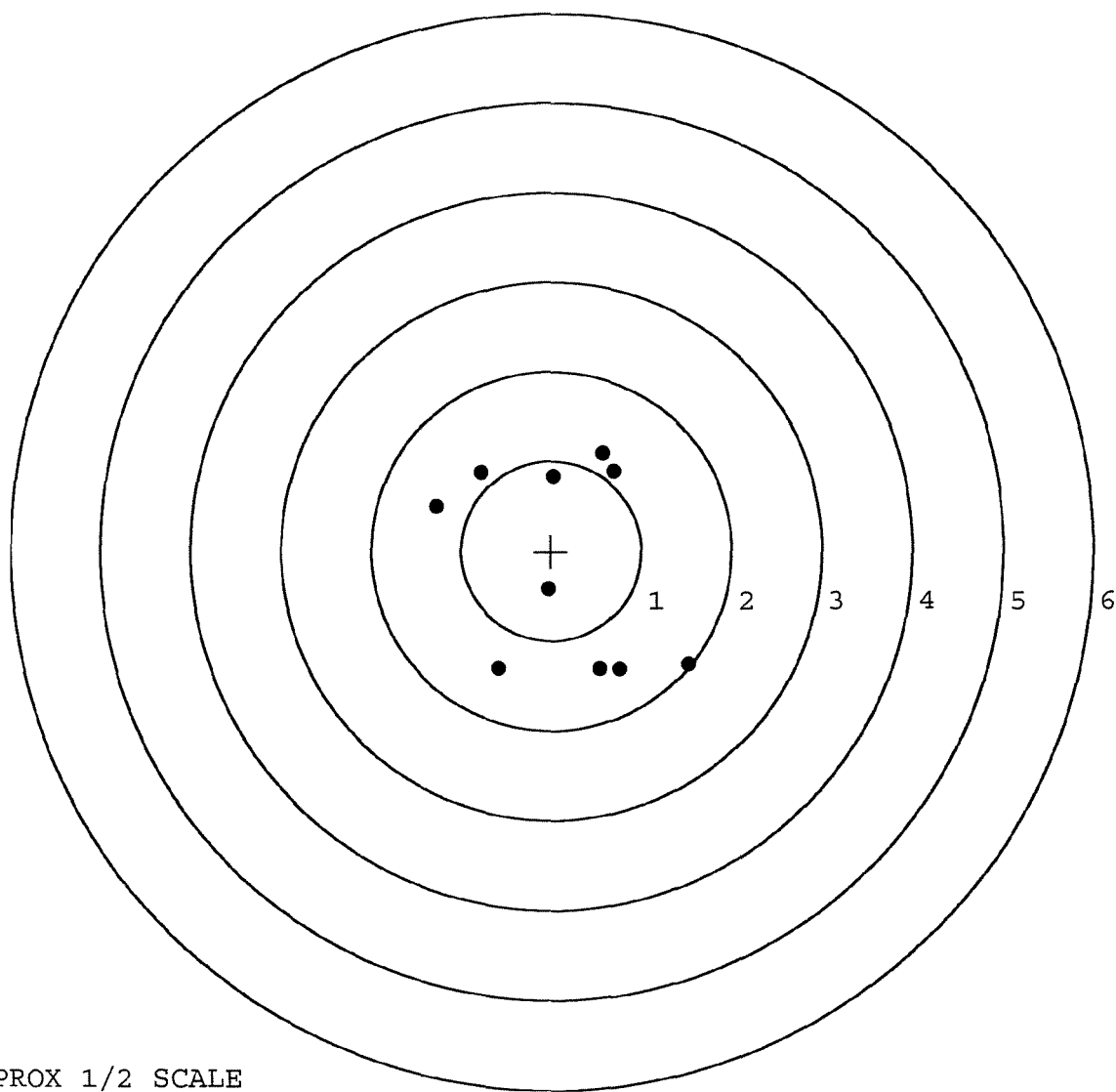
MAX RADIUS: 1.777

MEAN RADIUS: 1.242

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594659. __0

TARGET NUMBER: 5

FILE DATE: 11/27/2001

FILE TIME: 22:46

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

1:	-0.447	1.896
----	--------	-------

2:	-0.112	1.210
----	--------	-------

3:	0.458	0.865
----	-------	-------

4:	1.260	0.160
----	-------	-------

5:	0.504	0.056
----	-------	-------

6:	-0.670	0.154
----	--------	-------

7:	-0.690	-0.219
----	--------	--------

8:	-0.491	-0.883
----	--------	--------

9:	0.085	-1.287
----	-------	--------

10:	-0.666	0.200
-----	--------	-------

X CENTROID: -0.077

Y CENTROID: 0.215

POA TO CENTROID: 0.229

HORZ SPREAD: 1.950

VERT SPREAD: 3.183

GROUP SPREAD: 3.227

MIN RADIUS: 0.589

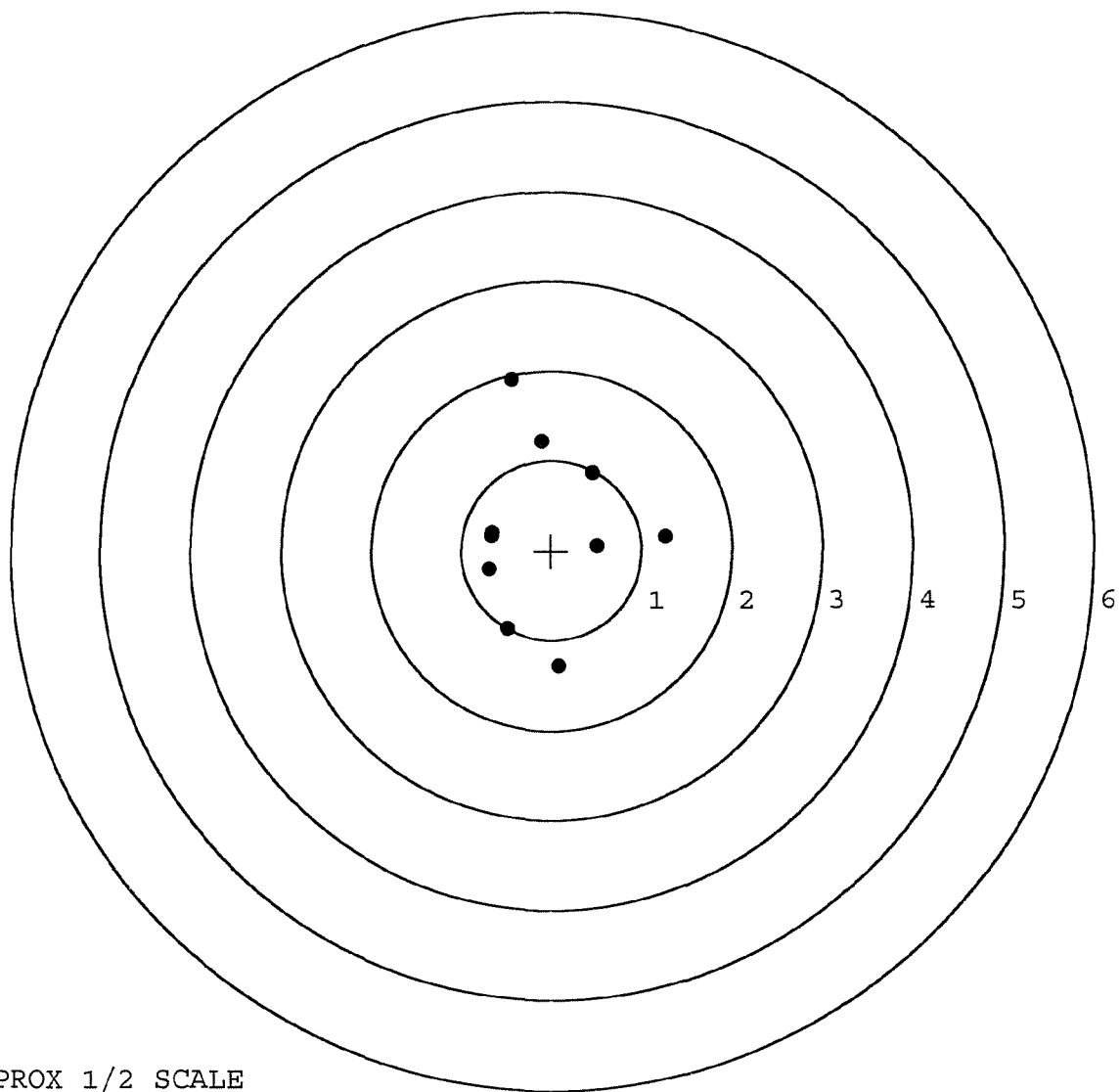
MAX RADIUS: 1.721

MEAN RADIUS: 1.012

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

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

[illegible]

Final Inspection

In: C 6594659

DATE REC'D: 11-1-01

DATE RET'D: 11-28-01

EDITOR: RPK

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

- ☒ SCOPE
- ☒ SCOPE RINGS
- ☒ MOUNTING SCREWS
- ☒ MOUNTING BASE
- ☒ SCREWS
- ☒ FINISH
- ☒ LOOSENESS
- ☒ CLARITY

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☒ STOCK
- ☒ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☐ SCOPE CASE
- ☐ IRON SIGHTS
- ☐ DEPLOYMENT KIT

Trigger

- ☒ SAFETY OPERATION
- ☒ SET
- ☐

Comments: _____

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM H24

SERIAL NO.
C6594659

ORDER NO.
5716

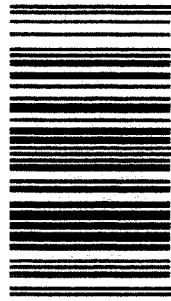
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6594659

UPC



0 47700 25716 7

MOD. _____ GA. CAL. _____ GUN # _____

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	creep in trigger chip in stock at bolt stop	KS
	2nd	Repaired	2/13/41
	3rd		
	4th		

FUNCTION _____

RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594659

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/20/90	KS
600	Proof		12/20/90	KS
607	Check Headspace		12/20/90	KS
610	Dis-assemble Gun		12/20/90	KS
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	1 10 91		LB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-20-91	SA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/4/91	SA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/4/91	SA
	C) Inspect Ejector Hole for Chamfer		2/4/91	SA
	D) Oil Firing Pin Ass'y		2/4/91	SA
	E) Adjust Trigger Pull to Min Setting and Stake		2/5/91	SA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			7/5/91	WLB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			7/5/91	WLB
	H) Trigger Pull Test & Retainability						2/5/91	JH
	I) Firing Pin Indent	.020	.021	.0205			7/5/91	WLB
	J) Assemble Stock						2/6/91	KH
	K) Assemble Swivel Studs						2-26-91	A
	L) Attach Front and Rear Sight Assemblies						2/6/91	KH
	M) Iron Sight Alignment						2/6/91	KH
	N) Detach Front & Rear Sights & place in numbered container						2/6/91	KH
	O) Attach Scope to Rifle						2/6/91	KH
	P) Detach & Attach Scope 20 Times						2/6/91	KH
640	Gallery Target & Test						2-7-91	AC
	A) Time						2-7-91	AC
	B) Malfunctions						2-7-91	AC
	C) Pierced Primers						2-7-91	AC
	D) Optical Clarity of Scope						2-7-91	AC
645	Inspect for Live Ammo						2-7-91	AC
655	Final Inspection							
	A) Headspace						2-26-91	A
	B) Trigger Pull	2.20	2.36	2.41	2.32	2.31	2/22/91	JH
	C) Function						2-26-91	AC
660	Pack						3-14-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594659

DATE 2-5-91

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.35	2.12	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.30	2.28	2.30	
PULL #3	2.31	2.26	2.24	2.41	
PULL #4	2.33	2.27	2.29	2.32	
PULL #5	2.33	2.28	2.29	2.31	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.48		
PULL #2	3.18	3.51		
PULL #3	3.50	3.24		
PULL #4	3.45	3.42		
PULL #5	3.26	3.47		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.32		4.15
PULL #2	4.38	4.10		4.30
PULL #3	4.28	4.38		4.19
PULL #4	4.46	4.49		4.42
PULL #5	4.41	4.14		4.23
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594659
8 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.271827
1 TO	2	.244401
1 TO	3	.428364
1 TO	4	.311905
1 TO	5	.229652

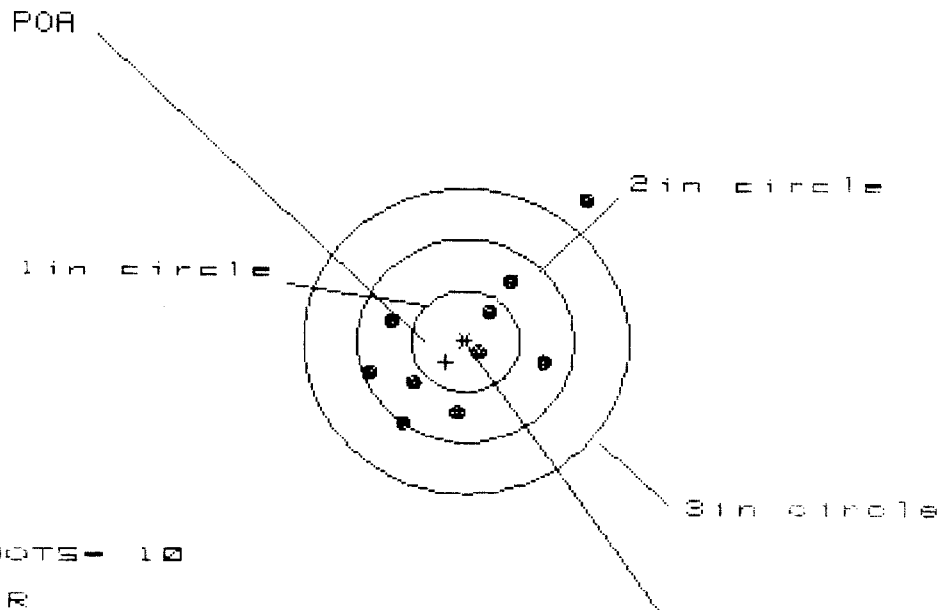
342 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .006
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .075
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0752396
THE AMR FOR THIS RIFLE IS: .8308

B Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594659

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in - 2

2in - 9

3in - 9

HS - 2.021

VS - 2.197

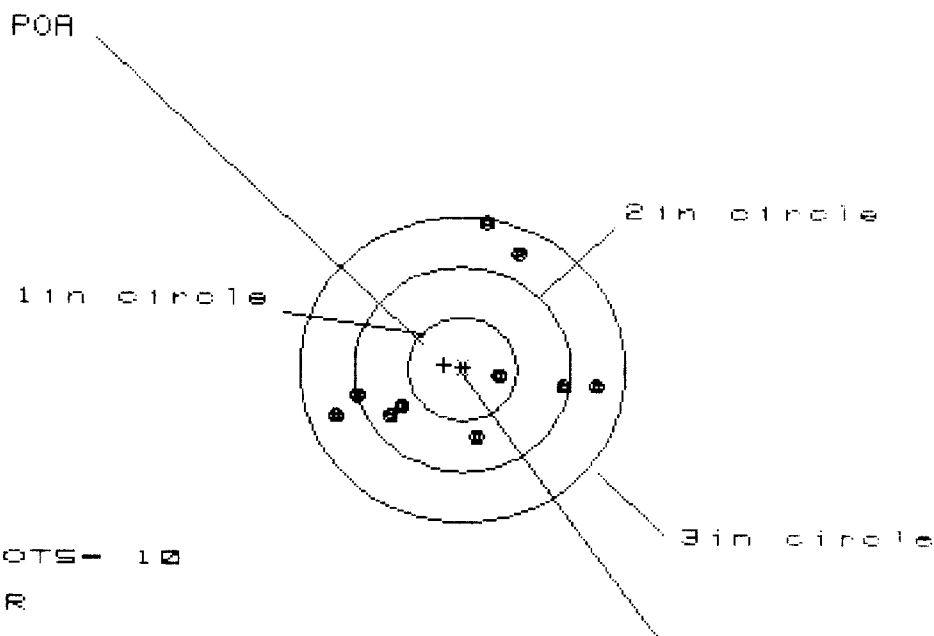
GS - 2.764

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.131	.874	.821
MINIMUM X	-.890	-.764	-.817
MAXIMUM Y	1.403	.763	.684
MINIMUM Y	-.794	-.639	-.661
CENTROID X	.183	.057	.110
CENTROID Y	.201	.046	.125
POA TO CENTROID in.	.272	.073	.167
MIN RADIUS	.200	.295	.242
MEAN RADIUS	.786	.656	.636
MAX RADIUS	1.802	.914	.836
HORIZONTAL SPREAD	2.021	1.638	1.638
VERTICAL SPREAD	2.197	1.402	1.345
EXTREME SPREAD	2.764	1.678	1.638
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	9		

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594659

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in - 1

2in - 5

3in - 10

HS - 2.389

VS - 2.187

GS - 2.413

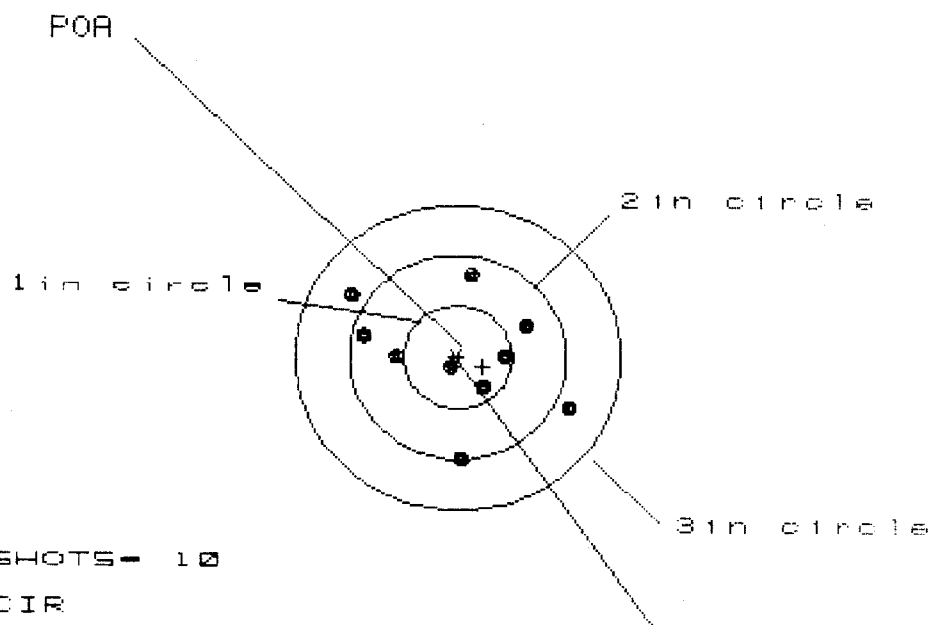
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.207	1.230	1.085
MINIMUM X	:	-1.182	-1.159	-1.082
MAXIMUM Y	:	1.483	1.299	1.258
MINIMUM Y	:	-.704	-.539	-.580
CENTROID X	:	.169	.146	.291
CENTROID Y	:	-.043	-.208	-.167
POA TO CENTROID in.	:	.174	.254	.336
MIN RADIUS	:	.319	.355	.205
MEAN RADIUS	:	.974	.886	.840
MAX RADIUS	:	1.497	1.430	1.337
HORIZONTAL SPREAD	:	2.389	2.389	2.167
VERTICAL SPREAD	:	2.187	1.838	1.838
EXTREME SPREAD	:	2.413	2.413	2.171
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534659

CENTERFIRE PATTERNS # 3



* OF SHOTS - 10

* IN CIR

1in - 3

2in - 8

3in - 10

HS - 2.014

VS - 1.793

GS - 2.308

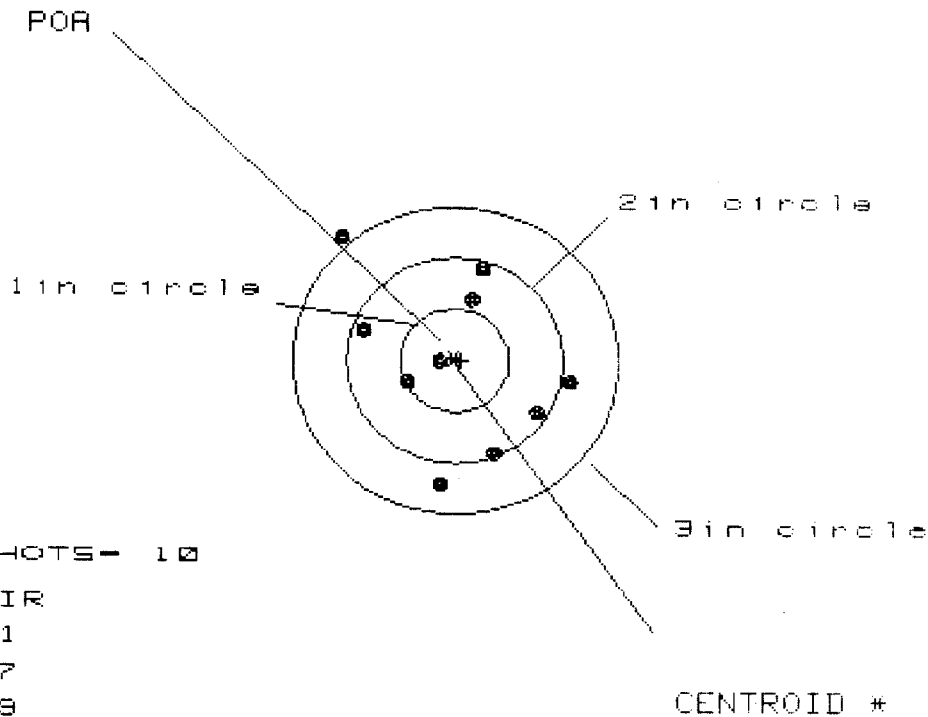
CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.006	.894	.627
MINIMUM X	:	-1.008	-.993	-.882
MAXIMUM Y	:	.809	.876	.819
MINIMUM Y	:	-.984	-.917	-.974
CENTROID X	:	-.231	-.119	-.230
CENTROID Y	:	.091	.024	.081
POA TO CENTROID in.	:	.248	.121	.244
MIN RADIUS	:	.141	.168	.131
MEAN RADIUS	:	.727	.660	.619
MAX RADIUS	:	1.176	1.042	.976
HORIZONTAL SPREAD	:	2.014	1.887	1.509
VERTICAL SPREAD	:	1.793	1.793	1.793
EXTREME SPREAD	:	2.308	2.037	1.795
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594659

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 1

2in - 7

3in - 9

HS= 2.141

VS= 2.309

GS= 2.509

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.107	.992	.956
MINIMUM X	-1.034	-.963	-.999
MAXIMUM Y	1.149	1.002	.873
MINIMUM Y	-1.160	-1.032	-.871
CENTROID X	-.058	.057	.093
CENTROID Y	.003	-.125	.004
POA TO CENTROID in.	.058	.138	.093
MIN RADIUS	.097	.249	.247
MEAN RADIUS	.875	.804	.762
MAX RADIUS	1.546	1.070	1.036
HORIZONTAL SPREAD	2.141	1.955	1.955
VERTICAL SPREAD	2.309	2.034	1.744
EXTREME SPREAD	2.509	2.080	2.003
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594659

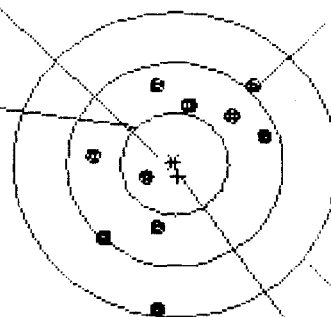
CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 10

HS= 1.562

VS= 2.163

GS= 2.345

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.822	.799	.887
MINIMUM X	:	-.740	-.763	-.675
MAXIMUM Y	:	.764	.609	.683
MINIMUM Y	:	-1.399	-.866	-.791
CENTROID X	:	-.033	-.010	-.098
CENTROID Y	:	.123	.278	.204
POA TO CENTROID in.	:	.127	.279	.226
MIN RADIUS	:	.298	.387	.289
MEAN RADIUS	:	.792	.703	.671
MAX RADIUS	:	1.414	1.080	.969
HORIZONTAL SPREAD	:	1.562	1.562	1.562
VERTICAL SPREAD	:	2.163	1.475	1.475
EXTREME SPREAD	:	2.345	1.987	1.758
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	