

G 657 7088
Replaced
E 670 3492

Repair Inquiry

Repair Number: RE00113220

Serial: E6703492 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 08/21/2001

Repairman:

Verify Repair

Status:

Closed 6/5/2006 1:20:58 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: NATIONAL GUARD MARKSMANSHIP TNG UNIT

NATIONAL GUARD MARKSMANSHIP TNG UNIT

Address 1: BLDG 4900 CAMP J T ROBINSON

BLDG 4900 CAMP J T ROBINSON

Address 2: ATTN TSGT SEAN WALLACE PO Box:

ATTN TSGT SEAN WALLACE PO Box:

City: NORTH LITTLE ROCK

NORTH LITTLE ROCK

State: AR

Zip Code: 72199

Country: US

State: AR

Zip Code: 72199

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
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

6/6/2006

7:38 AM

CAPS

NUM

INS

SCRL



Arms Services Repair ...

Part Search by Materi...

2 Microsoft Office O...



7:38 AM

G 6577088

Serial Number: ~~E6703492~~

Model: M24 SWS



RE00113220

AVERAGE PULL FORCE BETWEEN

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

6-27-06

TESTER

R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	245	257		252	
PULL #2	244	257		256	
PULL #3	249	255		255	
PULL #4	252	255		262	
PULL #5	260	246		261	
TOTAL	1250	1270		1286	
AVERAGE	250	254		257	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	310	315		
PULL #2	315	306		
PULL #3	320	306		
PULL #4	310	316		
PULL #5	317	317		
TOTAL	1572	1560		
AVERAGE	314	312		

	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	415	399		409
PULL #2	401	397		405
PULL #3	398	390		399
PULL #4	397	391		407
PULL #5	396	399		406
TOTAL	2007	1976		2026
AVERAGE	401	395		405

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6577088.__0
FILE DATE AND TIME: 07/20/2006 16:57

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.056
The Average Y Centroid of the Five Target Set:	-0.025
The Average Point of Impact of the Five Target Set:	0.061
The Average Mean Radius of the Five Target Set:	0.730
The Distance from POA to Centroid Target #1:	0.389
The Distance from Centroid Target #2 to Centroid Target #1:	0.392
The Distance from Centroid Target #3 to Centroid Target #1:	0.516
The Distance from Centroid Target #4 to Centroid Target #1:	0.441
The Distance from Centroid Target #5 to Centroid Target #1:	0.506

SERIAL NUMBER: G6577088. __0

TARGET NUMBER: 1

FILE DATE: 07/20/2006

FILE TIME: 16:57

X CENTROID: -0.319

Y CENTROID: 0.223

POA TO CENTROID: 0.389

HORZ SPREAD: 2.564

VERT SPREAD: 2.074

GROUP SPREAD: 2.914

MIN RADIUS: 0.291

MAX RADIUS: 1.970

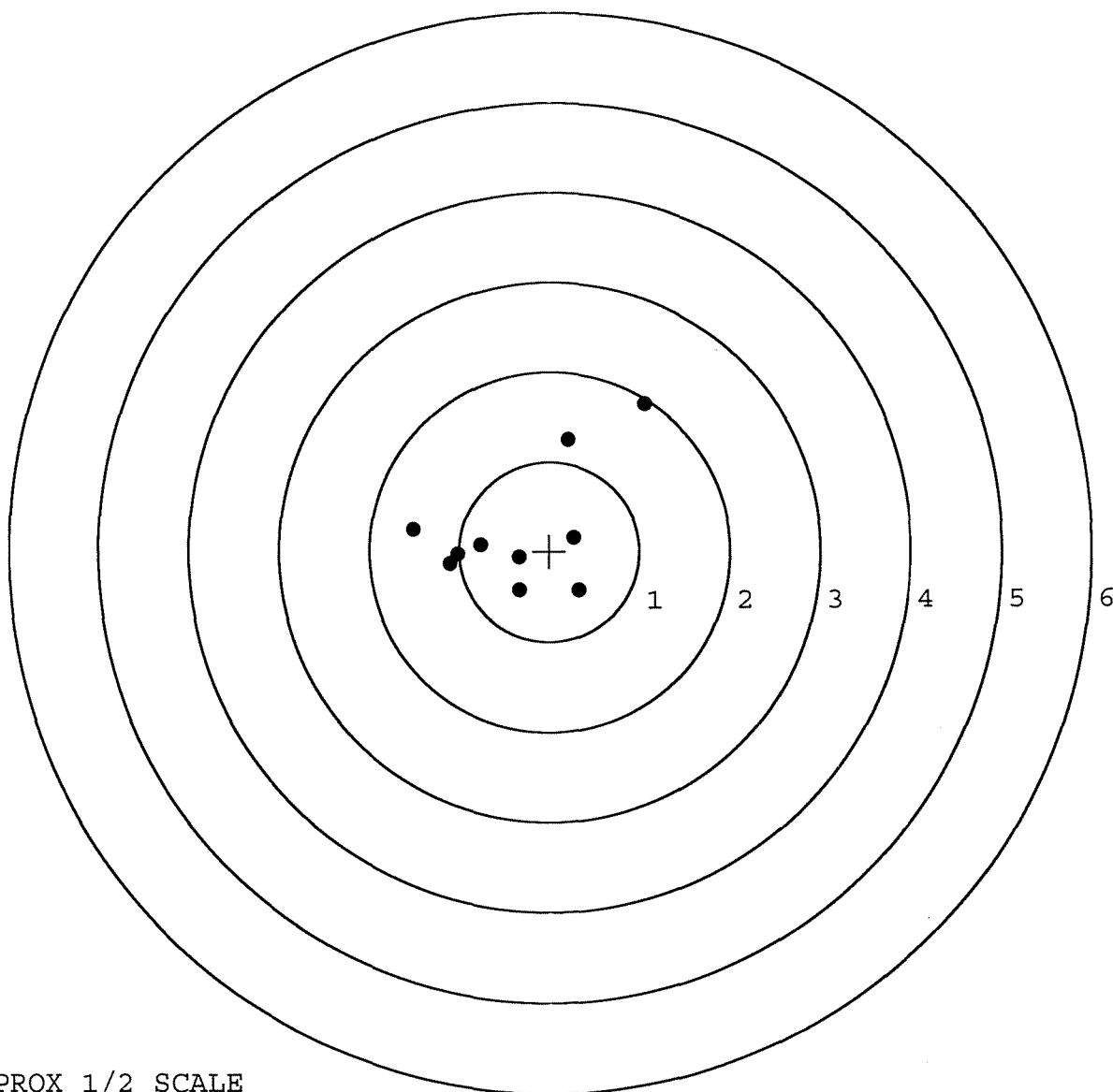
MEAN RADIUS: 0.886

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.102	-0.146
2:	-1.015	-0.037
3:	-0.761	0.074
4:	-0.339	-0.068
5:	-0.337	-0.440
6:	0.329	-0.435
7:	0.274	0.150
8:	0.215	1.244
9:	1.056	1.634
10:	-1.508	0.250

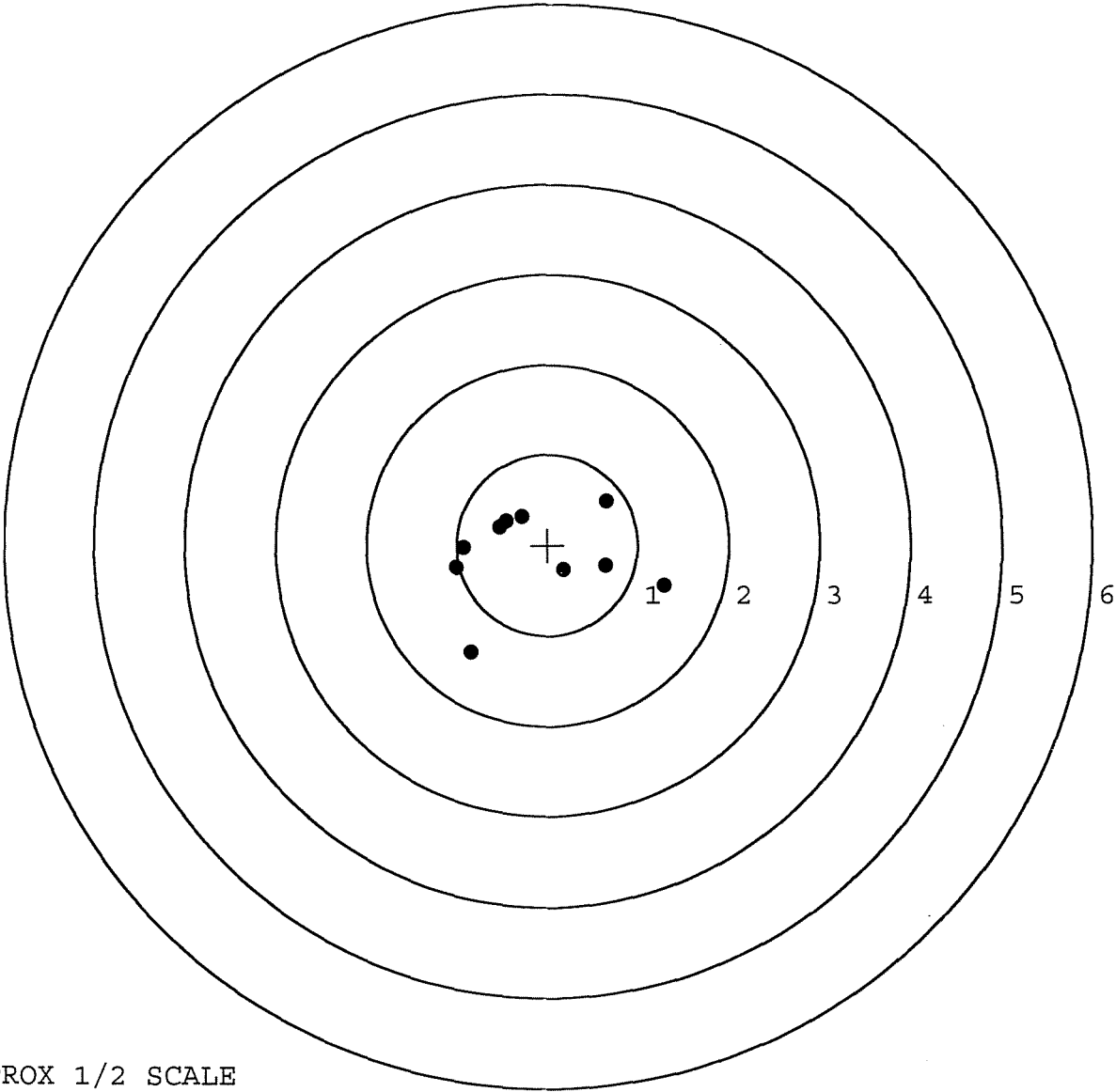


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577088. __0
TARGET NUMBER: 2
FILE DATE: 07/20/2006
FILE TIME: 16:57

POINT#	X	Y
1:	-1.003	-0.258
2:	-0.933	-0.037
3:	-0.527	0.194
4:	-0.282	0.309
5:	0.181	-0.274
6:	0.653	-0.229
7:	0.648	0.483
8:	1.291	-0.452
9:	-0.836	-1.190
10:	-0.456	0.266

X CENTROID: -0.126
Y CENTROID: -0.119
POA TO CENTROID: 0.173
HORZ SPREAD: 2.294
VERT SPREAD: 1.673
GROUP SPREAD: 2.302
MIN RADIUS: 0.344
MAX RADIUS: 1.456
MEAN RADIUS: 0.802
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577088. __0

TARGET NUMBER: 3

FILE DATE: 07/20/2006

FILE TIME: 16:57

X CENTROID: 0.135

Y CENTROID: -0.023

POA TO CENTROID: 0.137

HORZ SPREAD: 1.871

VERT SPREAD: 2.531

GROUP SPREAD: 2.661

MIN RADIUS: 0.480

MAX RADIUS: 2.010

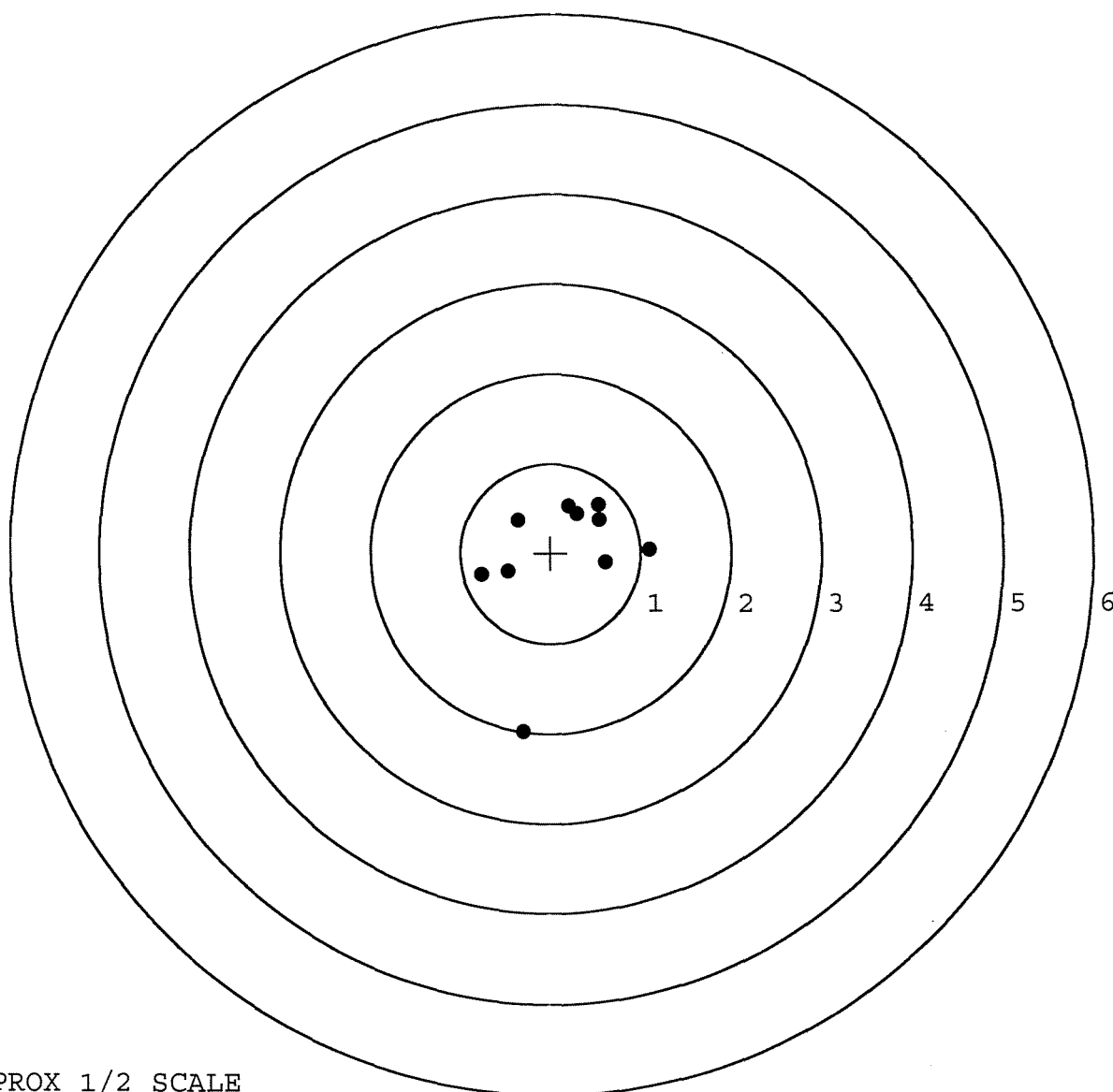
MEAN RADIUS: 0.797

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.772	-0.246
2:	-0.477	-0.206
3:	-0.367	0.370
4:	0.199	0.532
5:	0.529	0.545
6:	0.536	0.378
7:	0.608	-0.104
8:	1.099	0.045
9:	-0.294	-1.986
10:	0.292	0.444



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577088. __0

TARGET NUMBER: 4

FILE DATE: 07/20/2006

FILE TIME: 16:57

POINT#	X	Y
1:	-0.808	0.439
2:	-0.502	0.143
3:	-0.317	0.381
4:	-0.455	-0.410
5:	-0.120	-0.529
6:	-0.055	-0.237
7:	0.224	-0.208
8:	0.829	-0.047
9:	0.444	0.196
10:	0.124	-1.101

X CENTROID: -0.064

Y CENTROID: -0.137

POA TO CENTROID: 0.151

HORZ SPREAD: 1.637

VERT SPREAD: 1.540

GROUP SPREAD: 1.800

MIN RADIUS: 0.100

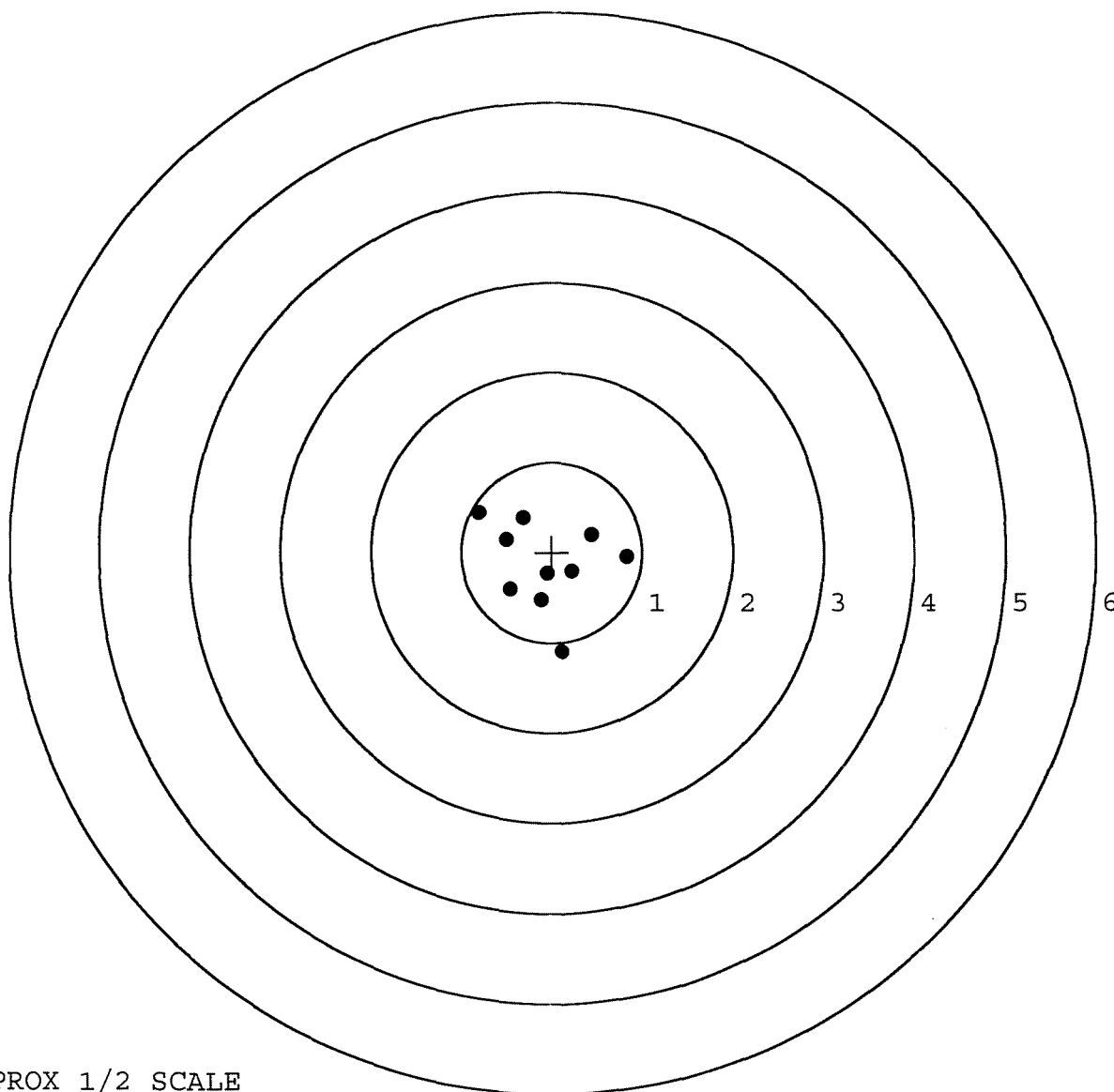
MAX RADIUS: 0.982

MEAN RADIUS: 0.579

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577088. __0

TARGET NUMBER: 5

FILE DATE: 07/20/2006

FILE TIME: 16:57

POINT#	X	Y
1:	-0.195	0.867
2:	0.424	0.749
3:	0.346	0.268
4:	1.010	-0.597
5:	-0.496	-0.815
6:	0.044	-0.581
7:	-0.255	-0.383
8:	0.128	-0.244
9:	0.146	-0.009
10:	-0.207	0.046

X CENTROID: 0.095

Y CENTROID: -0.070

POA TO CENTROID: 0.118

HORZ SPREAD: 1.506

VERT SPREAD: 1.682

GROUP SPREAD: 1.896

MIN RADIUS: 0.080

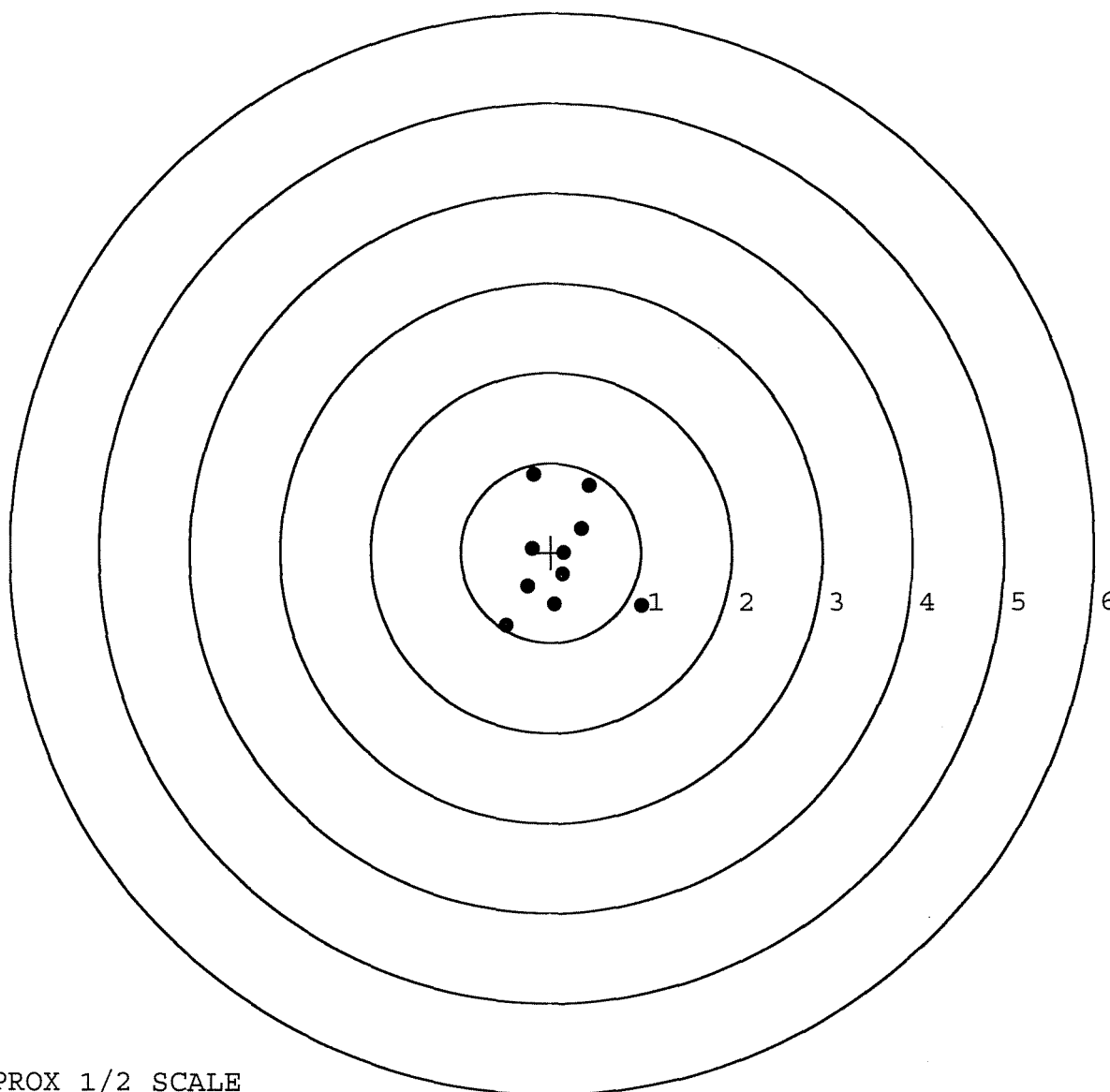
MAX RADIUS: 1.056

MEAN RADIUS: 0.585

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

		<i>National Guard</i>		
R & E NUMBER	113220			
SERIAL NUMBER	66703492 66577088			
LOG-IN DATE	6-5-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-27-06	AC
505	RE-BARREL		6-27-06	AC
560	ASSEMBLE		6-30-06	AC
600	PROOF	MAGNA-FLUX INSPECTED	7-5-06	mjm
605	CHECK HEADSPACE		7-5-06	mjm
610	DIS-ASSEMBLE GUN	JUL 06 2006	7-5-06	AC
612	MAGNAFLUX	OPERATOR <i>unus</i>	7/6/06	<i>unus</i>
510	DRILL AND TAP		7-6-06	TRW
615	ROLLMARK CALIBER		7-7-06	CW
618	ROTO-BLAST		7-7-06	LB
620	APPLY COATINGS		7/7	HB
625	FINAL ASSEMBLY		7-19-06	R.P.D.
640	FUNCTION TEST AND	PASS FAIL	7-20-06	mjm
650	TARGET	PASS FAIL	7-20-06	mjm
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		8-1-06	RZ
	A) HEADSPACE	PASS FAIL	8-1-06	RZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.61 2.32 2.73 2.92 2.97	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	7.9 7.9 7.9 8-1-06 RA	
	G) SAFETY OFF FORCE	2 LBS MIN	5.2 4.5 5.2 8-1-06 RA	
	I) FIRING PIN INDENT	.020	1.023 1.023 1.023 8-1-06 RA	
690	PACK		8-1-06	RA

Remington®

MODEL 700™ M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

Made in Ilion, NY Reg. U.S. Pat & tm. Off. Marca Registrada Marque Deposee



5716 E6703492

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MODEL 700™ M24

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SERIAL NO.



E6703492

MODEL 700[™] M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

DOCUMENT ENVELOPE ASSEMBLY:

- INSTRUCTION BOOK
- PRODUCT OWNER'S CARD
- SAFETY BOOKLET

46 FORM 1444



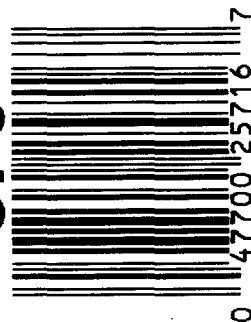
ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

E6703492

UPC



CONTRACT #

GUN SERIAL # E 670 3492

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		5/3/01	CK
600	PROOF		11	CK
607	CHECK HEADSPACE		11	CK
610	DIS-ASSEMBLE GUN		11	CK
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT		5/3/01	AC
615	ROLLMARK CALIBER		5/3/01	DA
617	DRILL AND TAP SIGHT HOLES		5/3/01	DA
618	POLISH BARREL		5/6/01	GD
620	APPLY COATINGS (BARREL ACTION)		5/10/01	TA
	(BOLT)		5/10/01	TA
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		5/10/01	CK
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		5/10/01	CK
	C) INSPECT EJECTOR HOLE FOR CHAMFER		5/10/01	CK
	D) OIL FIRING PIN ASSEMBLY		5/10/01	CB
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		5/10/01	CK

OP #	OPERATION NAME	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE	<u>6.5</u> <u>7.5</u> <u>6.5</u>	8/14/01	DA
CONT.	G) SAFETY OFF FORCE	<u>3.0</u> <u>2.5</u> <u>3.0</u>	8/14/01	DA
	H) TRIGGER PULL TEST AND RETAINABILITY		8/14/01	RL
	I) FIRING PIN INDENT	<u>.022</u> <u>.023</u> <u>.023</u>		
	J) ASSEMBLE STOCK		5/3/01	CLK
	K) ASSEMBLE SWIVEL STUDS		5/3/01	CL
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		5/3/01	CK
	M) IRON SIGHT ALIGNMENT		5/3/01	OK
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		5/3/01	CK
640	GALLERY TEST AND TARGET		5/9/01	RW
	A) MALFUNCTIONS		5/9/01	RW
	B) PIERCED PRIMERS		5/9/01	RW
645	INSPECT FOR LIVE AMMO		5/9/01	RW
655	FINAL INSPECTION A) HEADSPACE		8/14/01	DA
	B) TRIGGER PULL	<u>275</u> <u>278</u> <u>274</u> <u>274</u> <u>271</u>	8/15/01	RL
	C) FUNCTION		8/15/01	RL
660	PACK		8/14/01	DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. E6703492

DATE 5-1-01

TESTER 197A

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.74	2.52		2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.79	2.53		2.32	
PULL #3	2.78	2.43		2.34	
PULL #4	2.75	2.46		2.35	
PULL #5	2.70	2.47		2.33	
TOTAL	1373	1241		1167	
AVG.	2.74	2.48		2.33	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.00		
PULL #2	3.32	3.28		
PULL #3	3.14	3.26		
PULL #4	3.23	3.19		
PULL #5	3.14	3.21		
TOTAL	1616	1594		
AVG.	3.23	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.22		4.16
PULL #2	4.18	4.07		4.00
PULL #3	4.21	4.18		4.09
PULL #4	4.19	4.07		4.03
PULL #5	4.16	4.15		4.05
TOTAL	2092	2069		2033
AVG.	4.18	4.13		4.06

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703492
11 May 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0616$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.1008$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.118132$

THE AMR FOR THIS RIFLE IS: 1.041

CENTROIDAL DISTANCES

0	TO	1	.0414849
1	TO	2	.305369
1	TO	3	.277705
1	TO	4	.181246
1	TO	5	.0904268

2
5†
4
3 <----POA

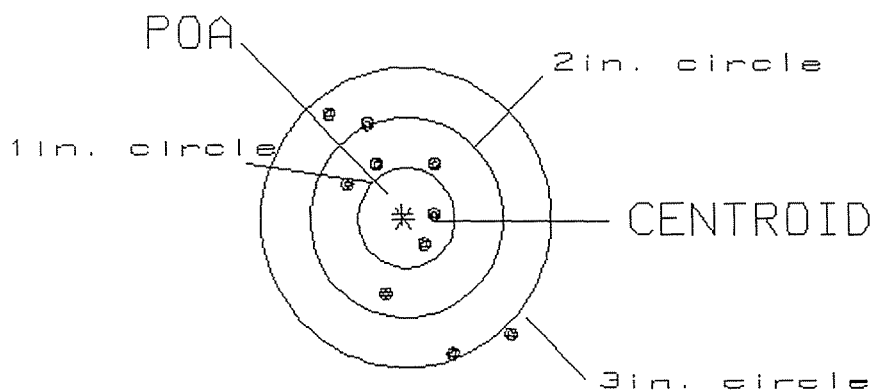
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .041
 MIN RADIUS : .287
 MEAN RADIUS : .868
 MAX RADIUS : 1.593
 CENTROID X : .011
 CENTROID Y : -.040

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.90

2

VS= 2.41

6

GS= 2.96

9

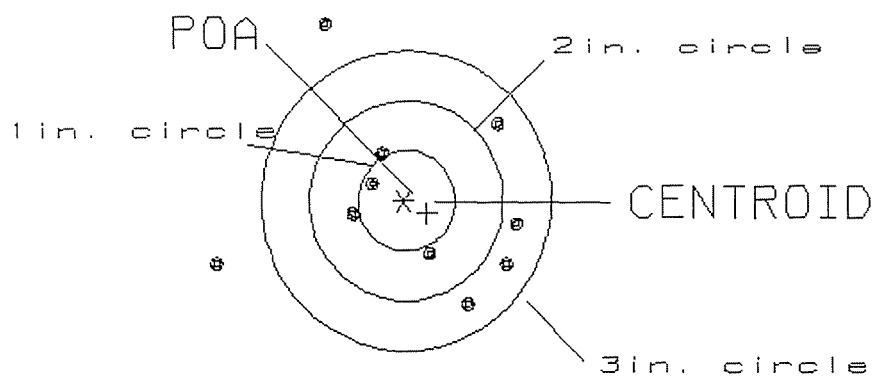
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .275
MIN RADIUS : .447
MEAN RADIUS : 1.095
MAX RADIUS : 2.024
CENTROID X : -.242
CENTROID Y : .131

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.04

1

VS= 2.02

4

GS= 3.20

8

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .319

MIN RADIUS : .026

MEAN RADIUS : 1.240

MAX RADIUS : 2.057

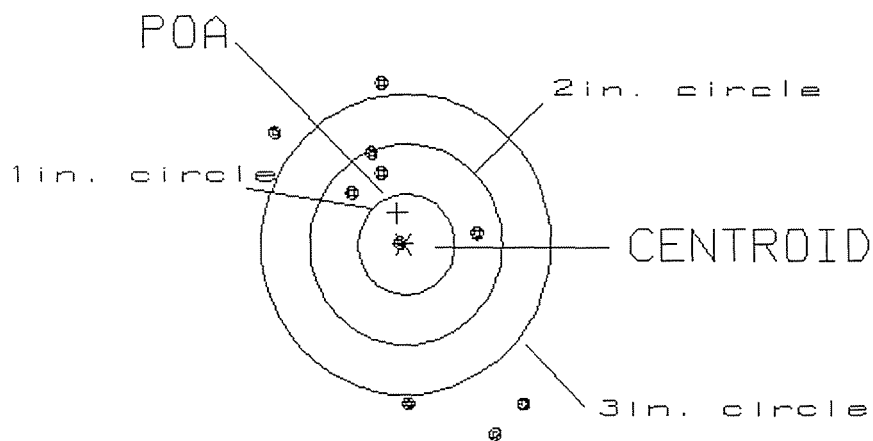
CENTROID X : .067

CENTROID Y : -.312

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.55

1

VS= 3.47

5

GS= 3.76

5

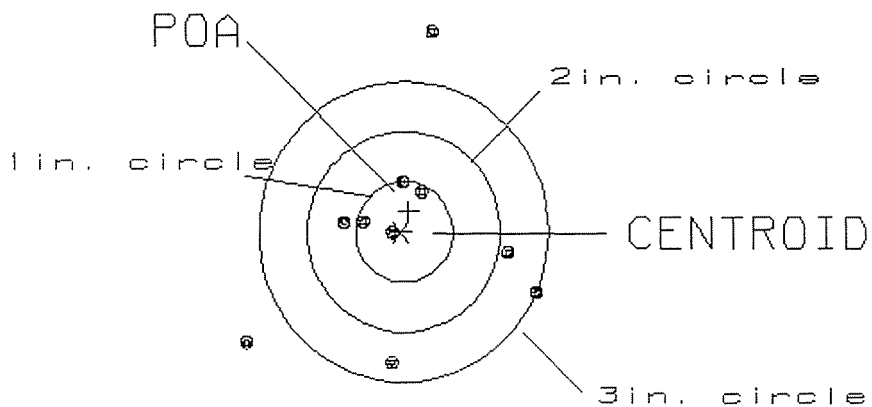
PATTERN #: 4

POA TO CENTROID: .213
 MIN RADIUS : .107
 MEAN RADIUS : 1.001
 MAX RADIUS : 1.997
 CENTROID X : -.076
 CENTROID Y : -.199

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.00

3

VS= 3.29

5

GS= 3.61

8

PATTERN #: 5

POA TO CENTROID: .108

MIN RADIUS : .453

MEAN RADIUS : 1.000

MAX RADIUS : 1.537

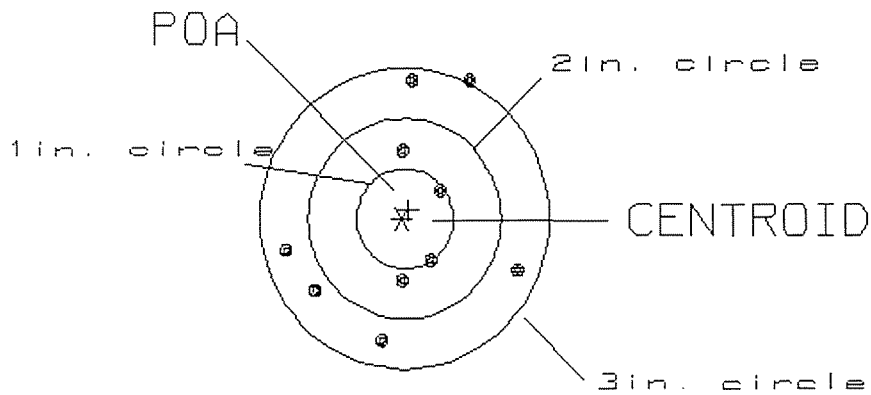
CENTROID X : -.068

CENTROID Y : -.084

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.33

2

VS= 2.62

4

GS= 2.76

9