

G-6360968
Replace
C-6523405

New G 6360 968

Serial Number: _____

~~C6523405~~

Model: M24 SWS



RE00085669

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6360968.__0
FILE DATE AND TIME: 11/04/2004 08:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.047
The Average Y Centroid of the Five Target Set:	-0.007
The Average Point of Impact of the Five Target Set:	0.047
The Average Mean Radius of the Five Target Set:	0.740
The Distance from POA to Centroid Target #1:	0.128
The Distance from Centroid Target #2 to Centroid Target #1:	0.134
The Distance from Centroid Target #3 to Centroid Target #1:	0.190
The Distance from Centroid Target #4 to Centroid Target #1:	0.159
The Distance from Centroid Target #5 to Centroid Target #1:	0.376

SERIAL NUMBER: G6360968. __ 0

TARGET NUMBER: 1

FILE DATE: 11/04/2004

FILE TIME: 08:54

POINT#	X	Y
1:	0.935	-0.704
2:	0.520	-1.026
3:	-0.517	-0.448
4:	0.281	-0.080
5:	0.289	0.255
6:	0.007	0.330
7:	-0.204	0.659
8:	-0.477	0.388
9:	-0.839	0.621
10:	-0.012	1.283

X CENTROID: -0.002

Y CENTROID: 0.128

POA TO CENTROID: 0.128

HORZ SPREAD: 1.774

VERT SPREAD: 2.309

GROUP SPREAD: 2.369

MIN RADIUS: 0.202

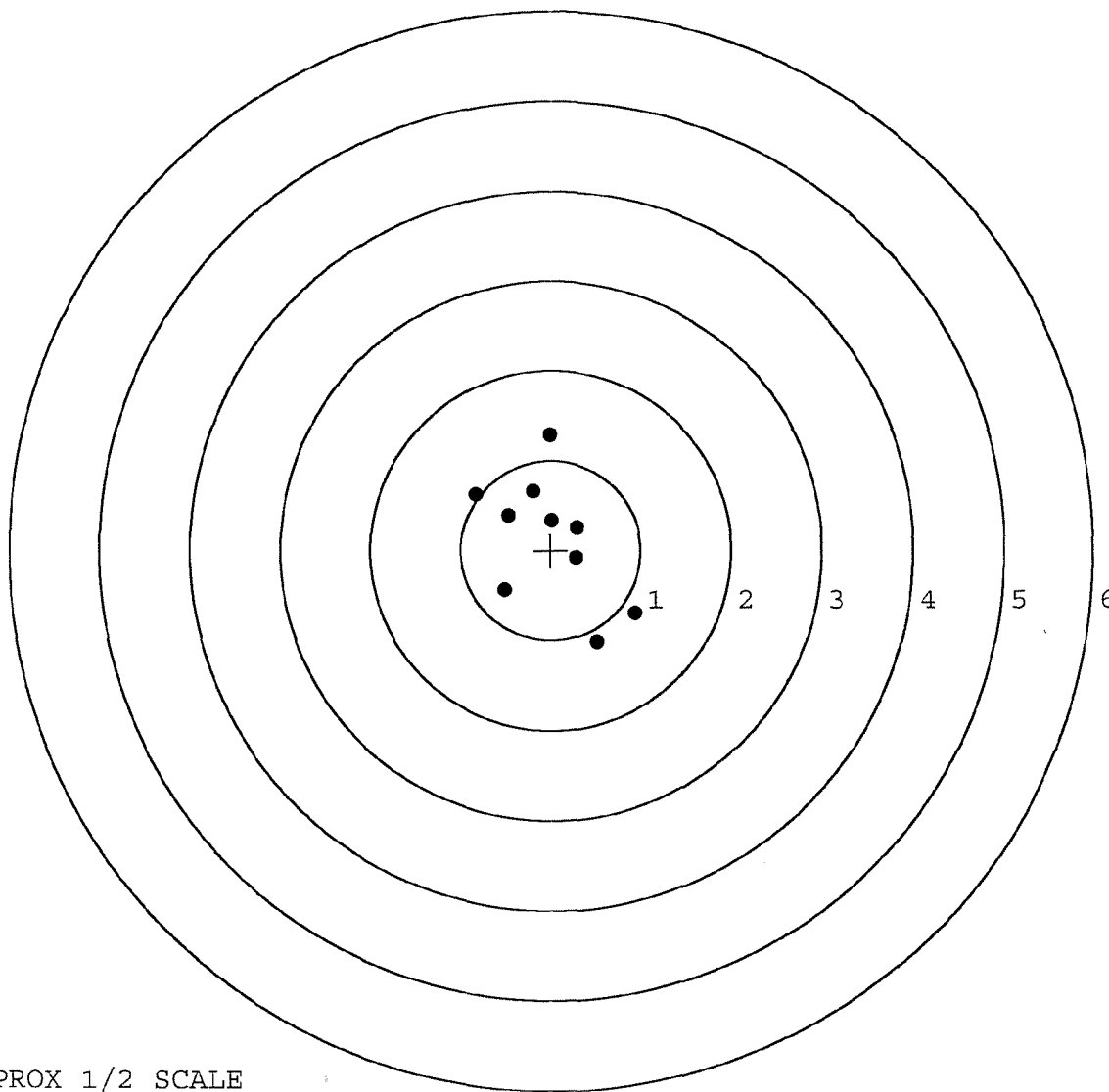
MAX RADIUS: 1.266

MEAN RADIUS: 0.740

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360968. __0

TARGET NUMBER: 2

FILE DATE: 11/04/2004

FILE TIME: 08:54

POINT#	X	Y
1:	0.474	-0.773
2:	0.851	-0.354
3:	-0.042	-0.961
4:	0.476	0.203
5:	0.194	0.131
6:	0.192	0.597
7:	-0.226	-0.262
8:	-0.440	-0.047
9:	-0.319	0.634
10:	-0.458	0.976

X CENTROID: 0.070

Y CENTROID: 0.014

POA TO CENTROID: 0.072

HORZ SPREAD: 1.309

VERT SPREAD: 1.937

GROUP SPREAD: 1.982

MIN RADIUS: 0.170

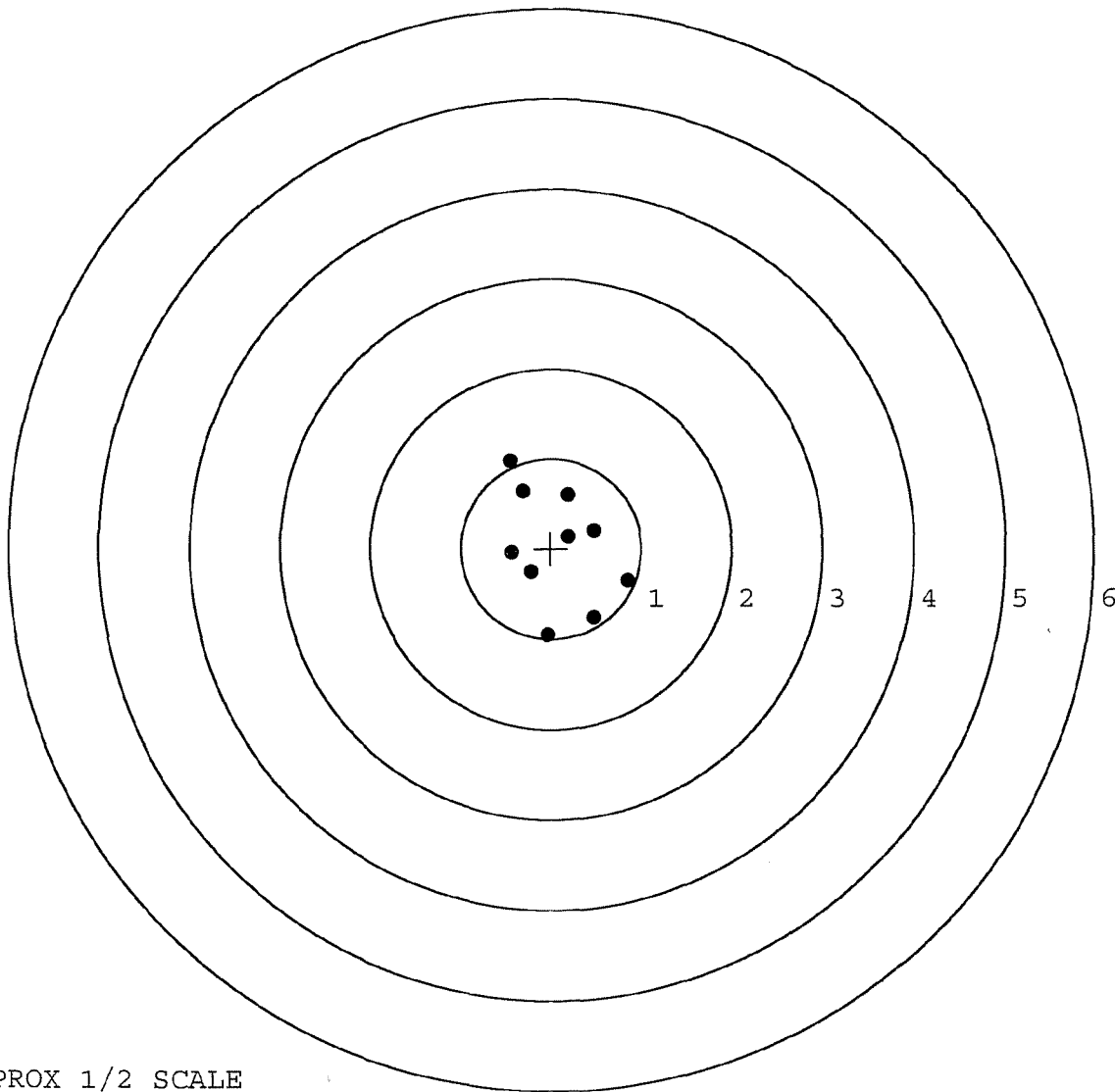
MAX RADIUS: 1.097

MEAN RADIUS: 0.669

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360968. 0

TARGET NUMBER: 3

FILE DATE: 11/04/2004

FILE TIME: 08:54

POINT#	X	Y
1:	0.893	-0.320
2:	0.467	-0.371
3:	-0.143	1.049
4:	0.445	1.715
5:	-0.710	-0.103
6:	-0.196	-0.128
7:	-0.292	-0.362
8:	-0.450	-0.530
9:	-0.308	-0.677
10:	-0.558	-0.701

X CENTROID: -0.085

Y CENTROID: -0.043

POA TO CENTROID: 0.095

HORZ SPREAD: 1.603

VERT SPREAD: 2.416

GROUP SPREAD: 2.616

MIN RADIUS: 0.140

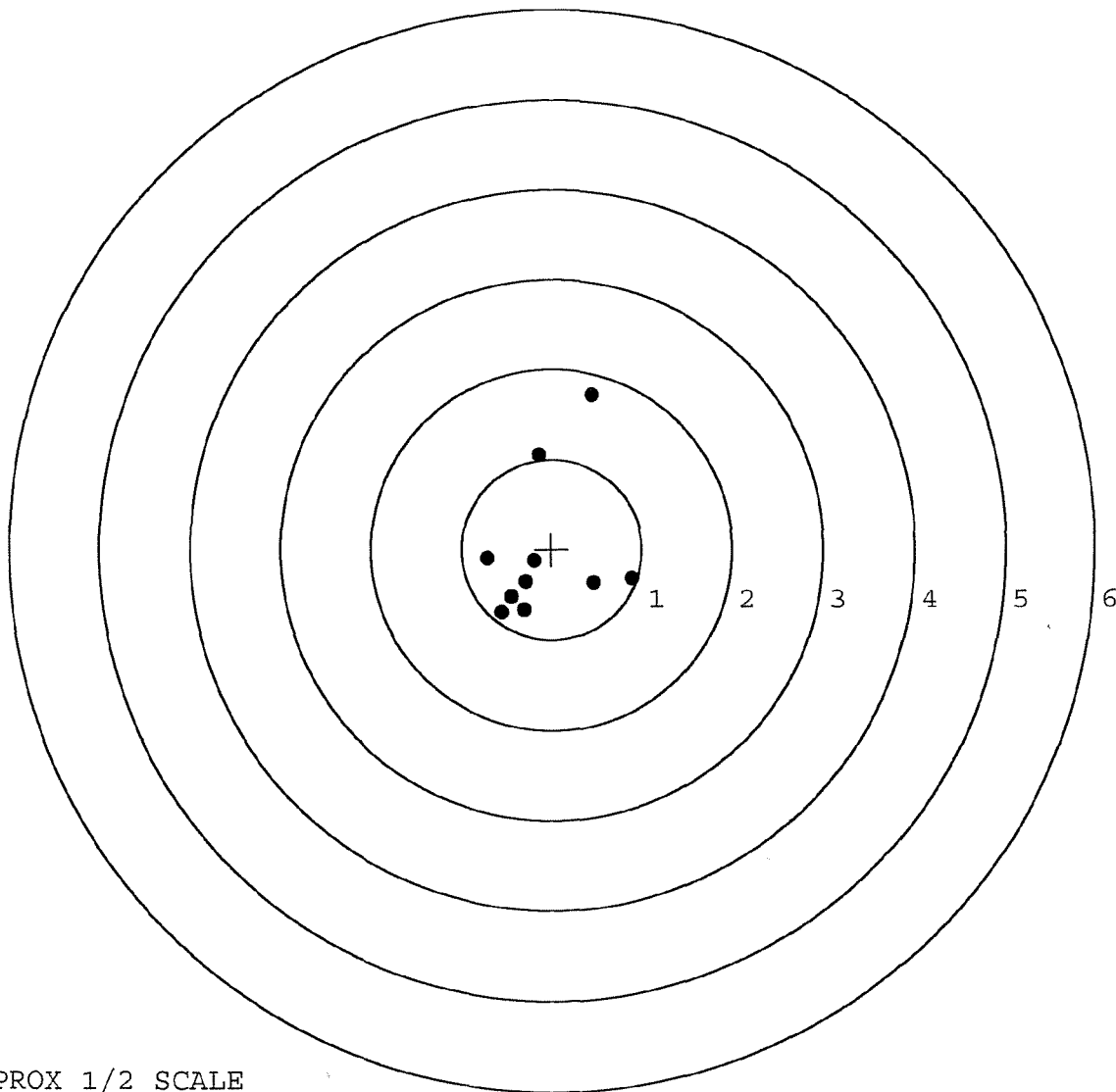
MAX RADIUS: 1.836

MEAN RADIUS: 0.783

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360968. 0

TARGET NUMBER: 4

FILE DATE: 11/04/2004

FILE TIME: 08:54

X CENTROID: -0.040

Y CENTROID: -0.027

POA TO CENTROID: 0.049

HORZ SPREAD: 2.373

VERT SPREAD: 1.664

GROUP SPREAD: 2.564

MIN RADIUS: 0.362

MAX RADIUS: 1.444

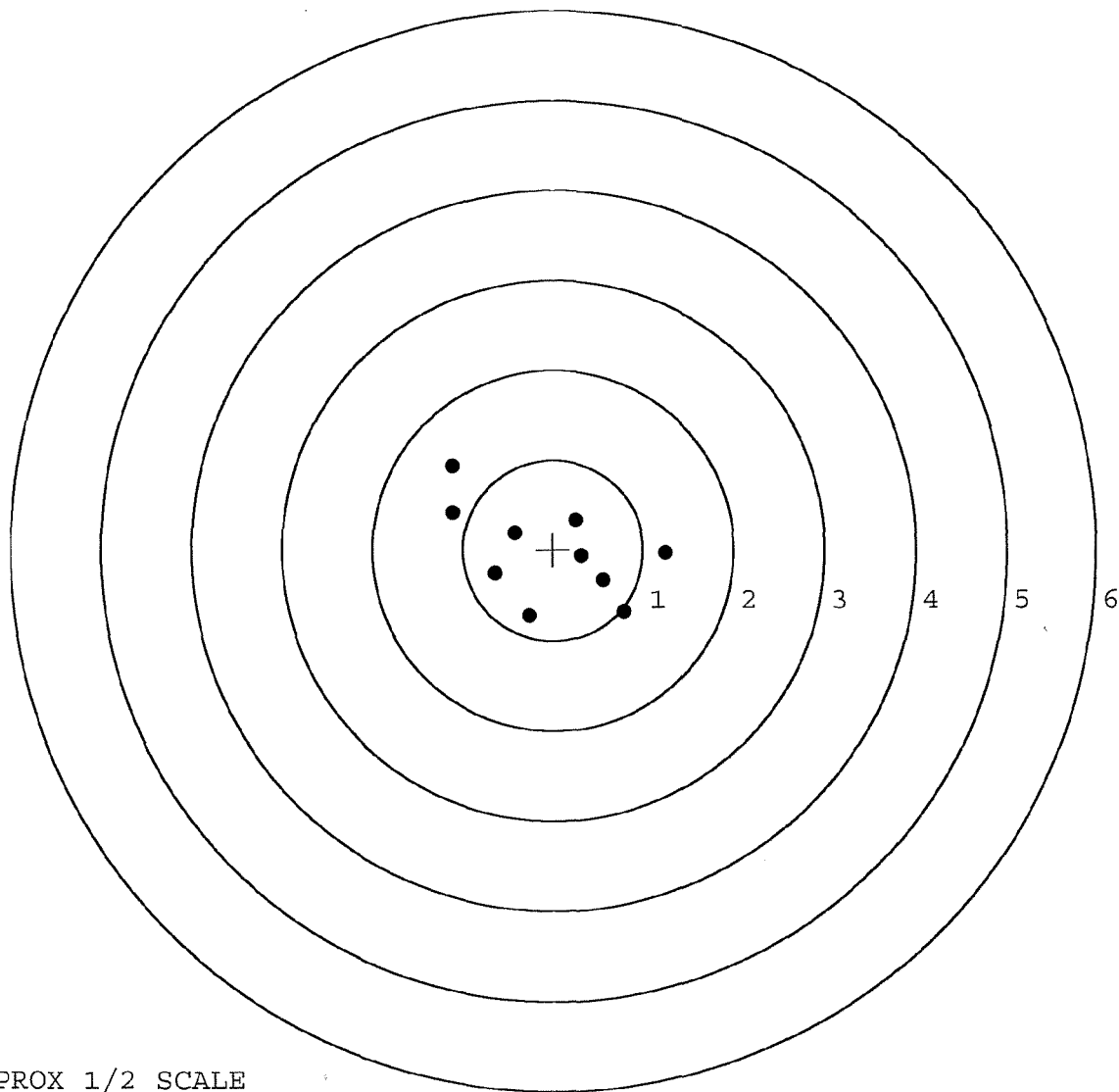
MEAN RADIUS: 0.828

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.785	-0.680
2:	1.253	-0.040
3:	0.559	-0.338
4:	0.319	-0.071
5:	0.253	0.333
6:	-0.426	0.182
7:	-0.641	-0.265
8:	-0.268	-0.731
9:	-1.120	0.409
10:	-1.119	0.933



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360968. 0

TARGET NUMBER: 5

FILE DATE: 11/04/2004

FILE TIME: 08:54

POINT#	X	Y
1:	1.812	-0.721
2:	0.683	0.413
3:	0.251	0.219
4:	0.695	-0.506
5:	0.481	-0.513
6:	0.303	-0.486
7:	0.280	-0.237
8:	-0.493	-0.032
9:	-0.834	-0.471
10:	-0.281	-0.206

X CENTROID: 0.290

Y CENTROID: -0.110

POA TO CENTROID: 0.310

HORZ SPREAD: 2.646

VERT SPREAD: 1.234

GROUP SPREAD: 2.902

MIN RADIUS: 0.128

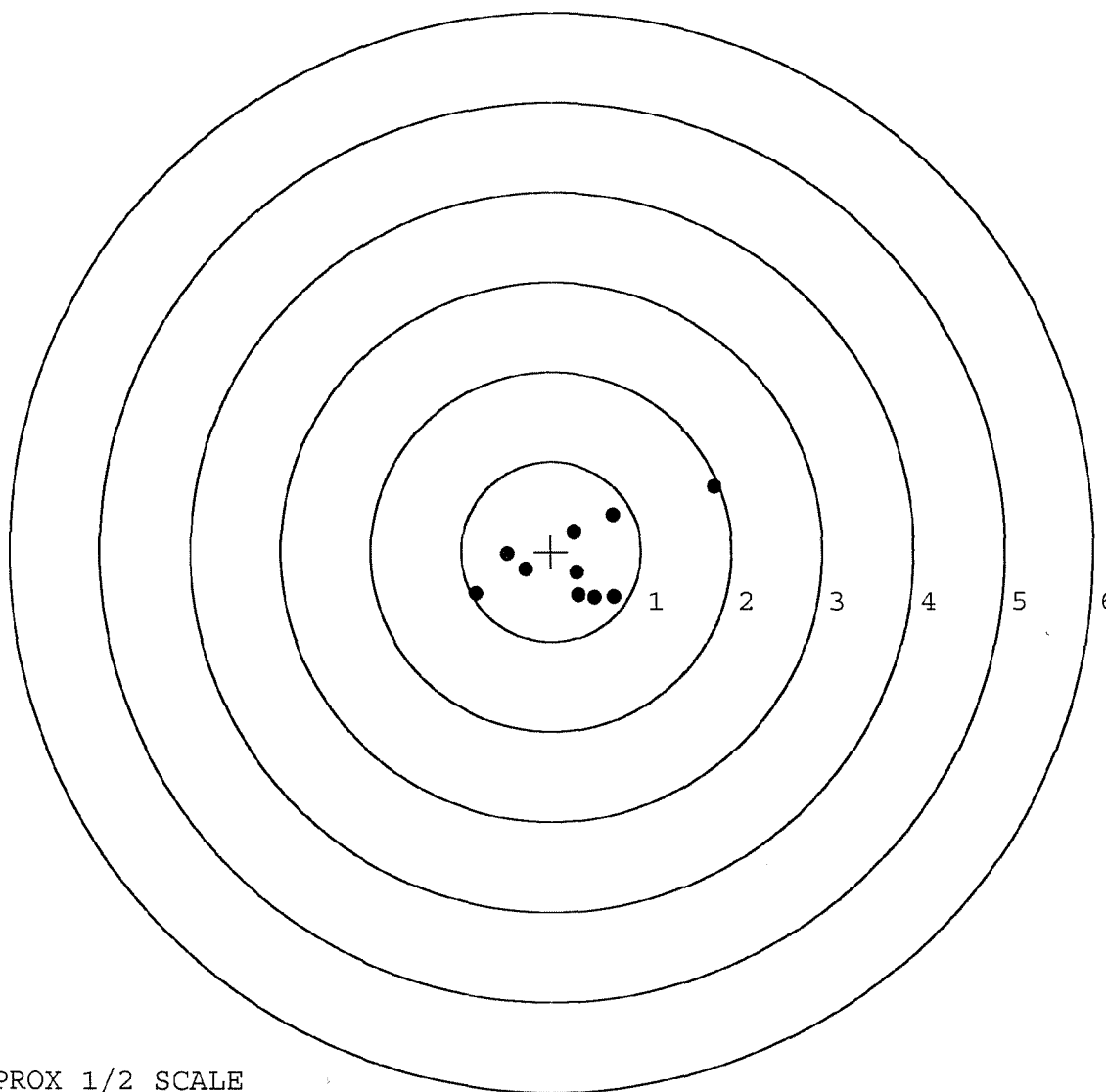
MAX RADIUS: 1.734

MEAN RADIUS: 0.678

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

USAPPC V1.10

R & E NUMBER	85669		
SERIAL NUMBER	C6523405 New G6360968		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-6-04	AC
560 A	RE-BARREL	10-7-04	K
B	DRILL AND TAP	10-12-04	TRW
575	ASSEMBLE	10-10-04	RTL
600	PROOF	10-11-04	AC
605	CHECK HEADSPACE	10-11-04	RTL
610	DIS-ASSEMBLE GUN	10-11-04	RTL
612	MAGNAFLUX	10/13/04	OP
615	ROLLMARK CALIBER	10/14/04	28
618	ROTO-BLAST	10/25/04	HP
620	APPLY COATINGS	10-27-04	RTL
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-4-04	TRW
655	FINAL INSPECT	11-5-04	AC
660	PACK	11-6-04	OP
		SHIP DATE	
QAR INSPECTION DATE			

Start NIS... Inb... Expl... Part... SA... Ar... Nag... Ne... 7:44 AM

Model: 700



RE00023081

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6523405
10 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0442
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .044
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .062367

THE AMR FOR THIS RIFLE IS: 1.075

CENTROIDAL DISTANCES

0 TO	1	.110941
1 TO	2	.360081
1 TO	3	.16844
1 TO	4	.129769
1 TO	5	.123859

2
4
1+ <----POA
5

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

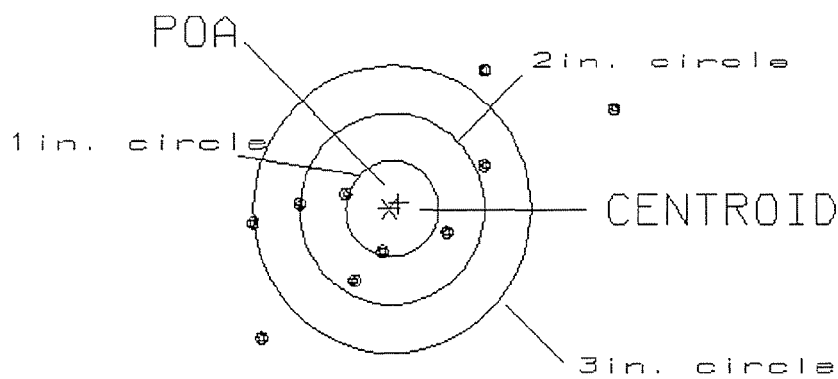
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .110
MIN RADIUS : .508
MEAN RADIUS : 1.240
MAX RADIUS : 2.590
CENTROID X : -.098
CENTROID Y : -.052

10 Apr 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/C6523405

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.84

0

VS= 2.78

4

GS= 4.44

6

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .309

MIN RADIUS : .008

MEAN RADIUS : .823

MAX RADIUS : 1.588

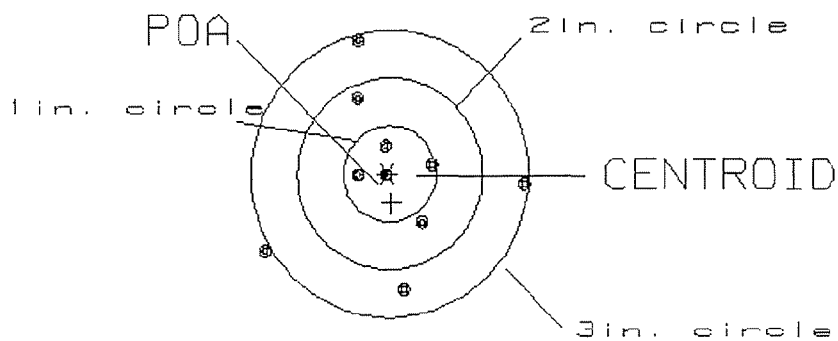
CENTROID X : -.051

CENTROID Y : .305

10 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6523405

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.80

4

VS= 2.56

6

GS= 2.90

9

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .074

MIN RADIUS : .263

MEAN RADIUS : .920

MAX RADIUS : 1.461

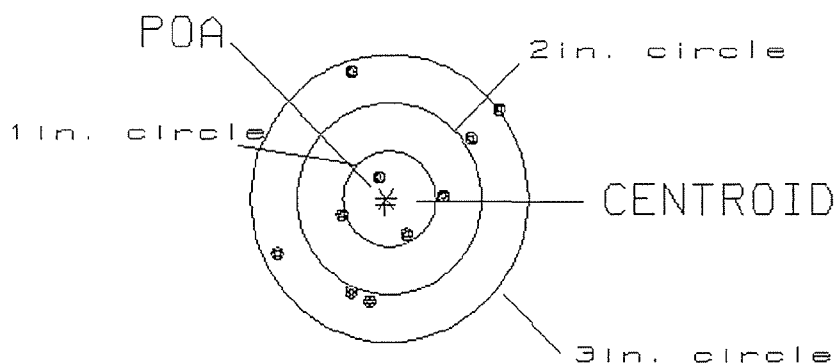
CENTROID X : .016

CENTROID Y : .072

10 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6523405

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.36

2

VS= 2.34

4

GS= 2.79

10

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

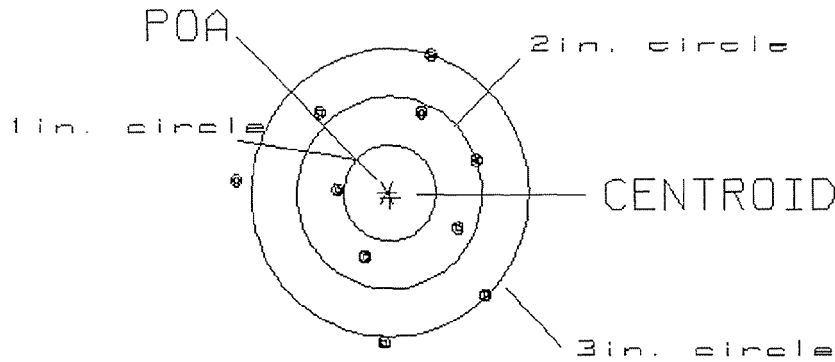
PATTERN #: 4

POA TO CENTROID: .072
 MIN RADIUS : .599
 MEAN RADIUS : 1.130
 MAX RADIUS : 1.719
 CENTROID X : -.036
 CENTROID Y : .062

10 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6523405

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.76
 VS= 2.99
 GS= 3.04

0
 5
 7

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .175

MIN RADIUS : .467

MEAN RADIUS : 1.260

MAX RADIUS : 1.988

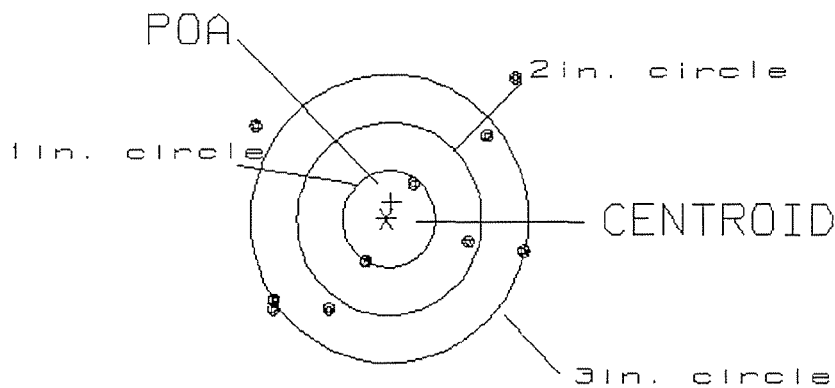
CENTROID X : -.052

CENTROID Y : -.167

10 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6523405

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.91

2

VS= 2.41

3

GS= 3.52

6

Remington
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

SERIAL NO.
C6523405

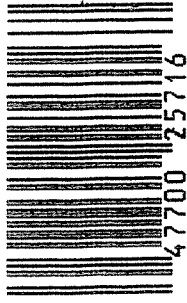
ORDER NO.
5716

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



5716 C6523405

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523405
13 Sep 1990

CENTROIDAL DISTANCES

Ø TO	1	.54791
1 TO	2	.194165
1 TO	3	.891267
1 TO	4	.457962
1 TO	5	1.0469

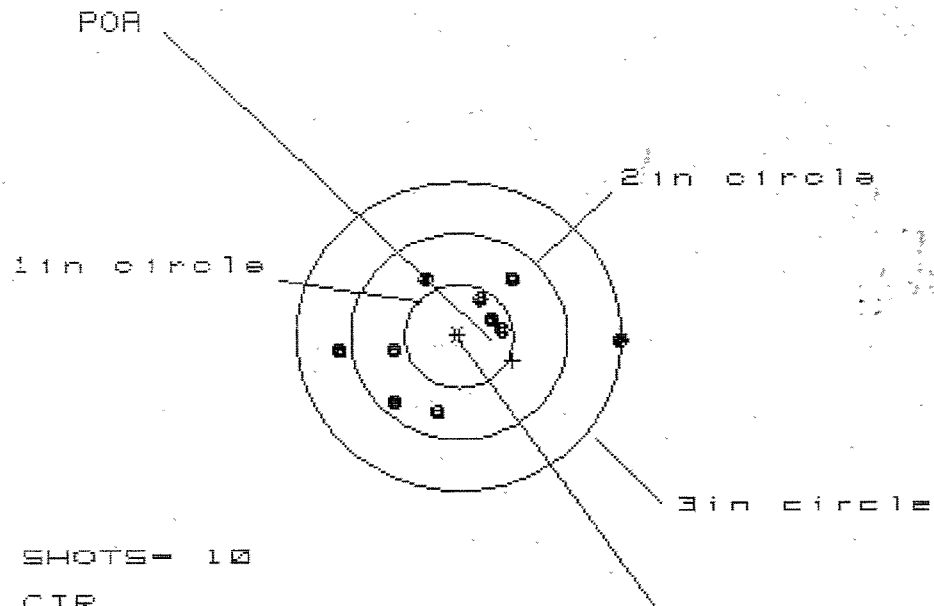
l_{2+35} <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0018
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1018
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .101816
THE AMR FOR THIS RIFLE IS: .8906

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6523485

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 2.564

VS= 1.270

GS= 2.564

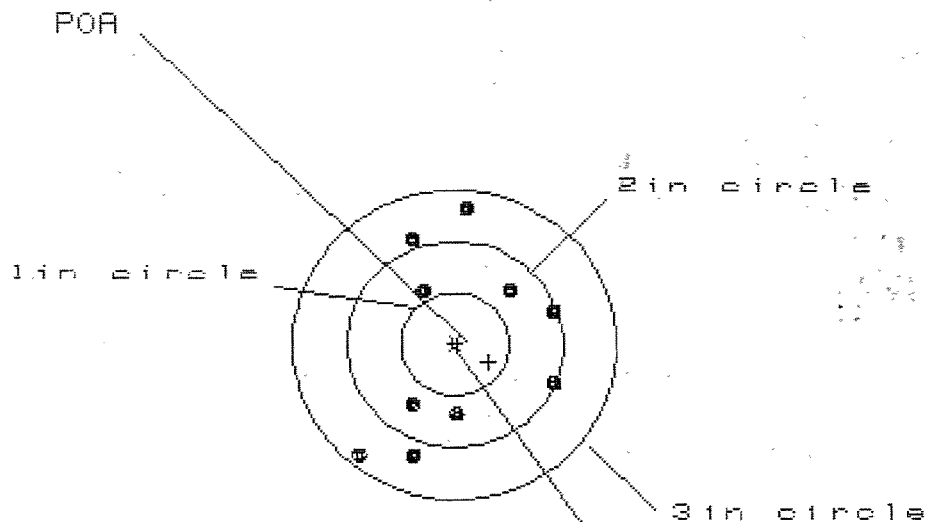
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.502	.660	.548
MINIMUM X	-1.062	-.895	-.598
MAXIMUM Y	.553	.544	.529
MINIMUM Y	-.717	-.726	-.741
CENTROID X	-.494	-.661	-.549
CENTROID Y	.237	.246	.261
POA TO CENTROID in.	.548	.706	.608
MIN RADIUS	.293	.441	.331
MEAN RADIUS	.734	.649	.598
MAX RADIUS	1.505	.903	.859
HORIZONTAL SPREAD	2.564	1.555	1.146
VERTICAL SPREAD	1.270	1.270	1.270
EXTREME SPREAD	2.564	1.689	1.618
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523405

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 1.825

VS= 2.348

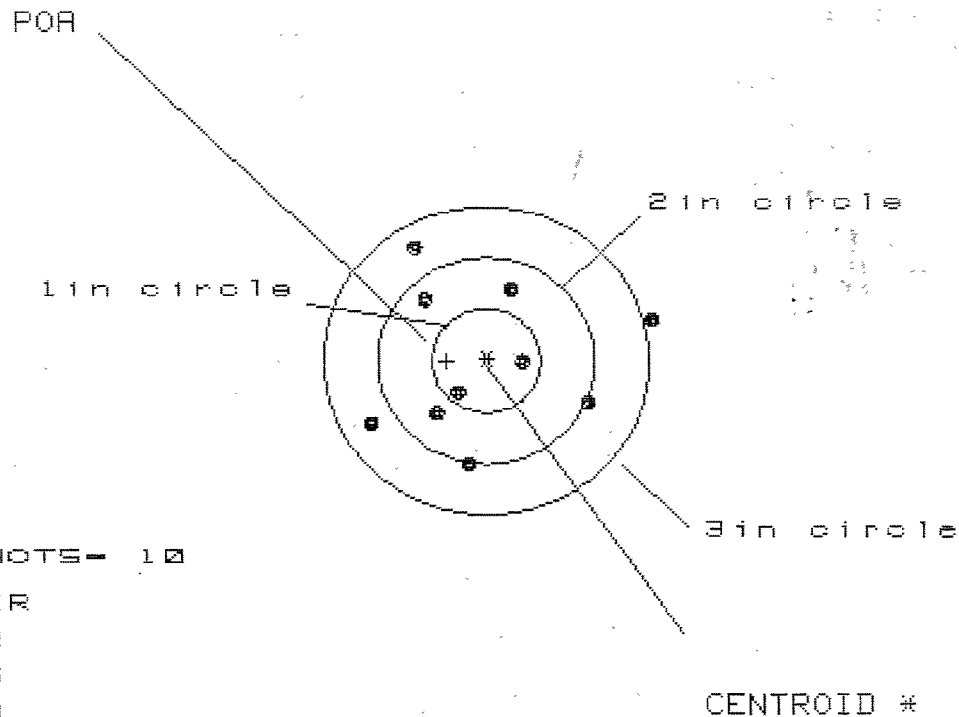
GS= 2.536

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.927	.827	.826
MINIMUM X	-.898	-.539	-.540
MAXIMUM Y	1.277	1.159	1.070
MINIMUM Y	-1.071	-1.189	-1.044
CENTROID X	-.310	-.210	-.209
CENTROID Y	.175	.293	.148
POA TO CENTROID in.	.356	.360	.256
MIN RADIUS	.596	.564	.611
MEAN RADIUS	.959	.897	.858
MAX RADIUS	1.389	1.305	1.191
HORIZONTAL SPREAD	1.825	1.366	1.366
VERTICAL SPREAD	2.348	2.348	2.114
EXTREME SPREAD	2.536	2.407	2.114
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523485

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.577

VS= 2.030

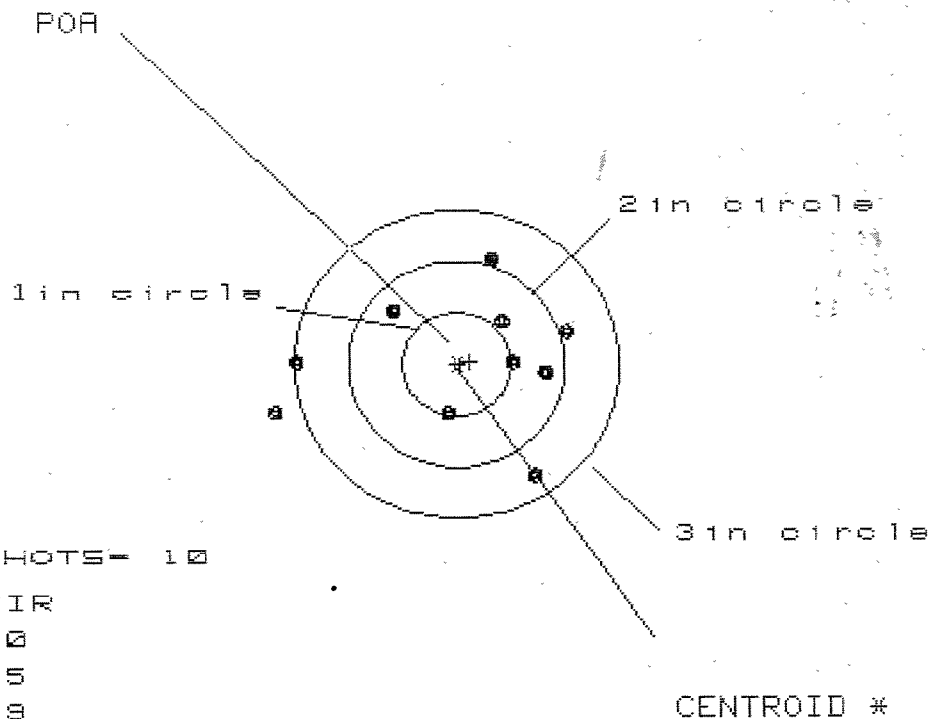
GS= 2.766

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.558	1.152	1.090
MINIMUM X	-1.018	-.845	-.907
MAXIMUM Y	1.054	1.100	.926
MINIMUM Y	-.976	-.930	-.793
CENTROID X	.366	.193	.255
CENTROID Y	.003	-.043	-.180
POA TO CENTROID in.	.367	.198	.312
MIN RADIUS	.345	.243	.167
MEAN RADIUS	.908	.809	.739
MAX RADIUS	1.613	1.220	1.122
HORIZONTAL SPREAD	2.577	1.997	1.997
VERTICAL SPREAD	2.030	2.030	1.719
EXTREME SPREAD	2.766	2.226	2.002
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523405

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

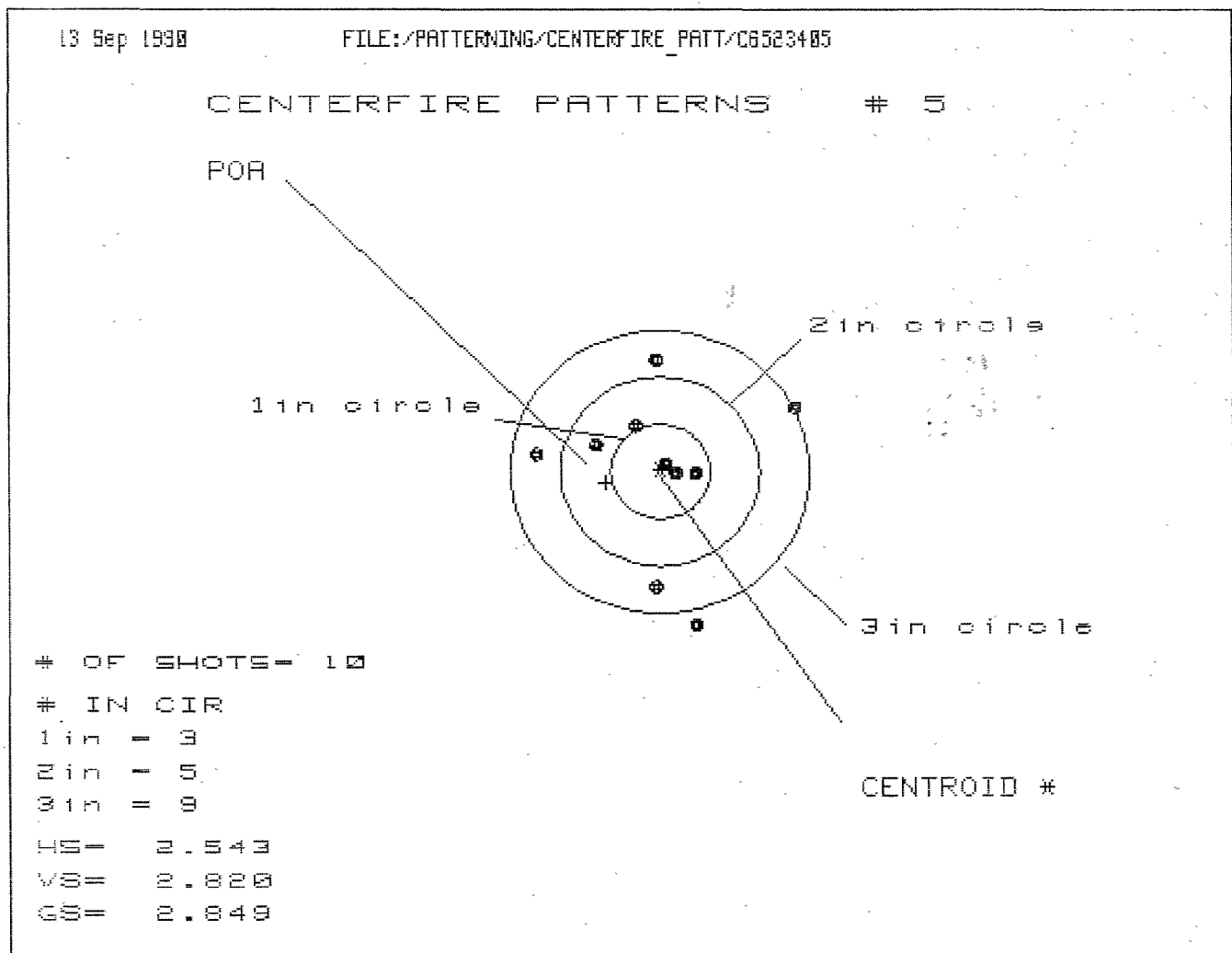
3 in = 9

HS= 2.749

VS= 2.028

GS= 2.864

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.017
MINIMUM X	-1.732
MAXIMUM Y	.992
MINIMUM Y	-1.035
CENTROID X	-.117
CENTROID Y	-.023
POA TO CENTROID in.	.120
MIN RADIUS	.504
MEAN RADIUS	.987
MAX RADIUS	1.806
HORIZONTAL SPREAD	2.749
VERTICAL SPREAD	2.028
EXTREME SPREAD	2.864
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9



PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.330
MINIMUM X	-1.213
MAXIMUM Y	1.155
MINIMUM Y	-1.665
CENTROID X	.546
CENTROID Y	.117
POA TO CENTROID in.	.558
MIN RADIUS	.087
MEAN RADIUS	.865
MAX RADIUS	1.696
HORIZONTAL SPREAD	2.543
VERTICAL SPREAD	2.820
EXTREME SPREAD	2.849
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523405

DATE 9/11/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.26	2.27	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.27	2.24	2.38	
PULL #3	2.25	2.37	2.50	2.51	
PULL #4	2.24	2.31	2.55	2.40	
PULL #5	2.25	2.39	2.64	2.42	
TOTAL	11.48	11.60	12.20	12.21	
AVG.	2.29	2.32	2.40	2.442	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.31		
PULL #2	3.24	3.31		
PULL #3	3.14	3.16		
PULL #4	3.27	3.23		
PULL #5	3.27	3.06		
TOTAL	16.17	16.07		
AVG.	3.23	3.21		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.31		4.00
PULL #2	4.21	4.27		3.90
PULL #3	4.19	4.21		4.22
PULL #4	4.22	4.22		4.04
PULL #5	4.15	4.16		4.20
TOTAL	20.96	21.17		20.36
AVG.	4.19	4.23		4.07

CAL 700

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 26523405

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DM
607	Check Headspace		8-21-90	DM
610	Dis-assemble Gun		8-21-90	DM
612	Magnaflux Barrel Action		8/22/90	KCK
	Magnaflux Bolt		8/22/90	KCK
615	Rollmark Caliber		8/22/90	GB
617	Drill and Tap Sight Holes		8/23/90	LB
618	Polish Barrel		8/23/90	WB
620	Apply Coatings (Barrel Action)		8/20/90	JA
	Apply Coating (Bolt)		8/20/90	JA
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/1/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
635 nt.	F) Safety On Force	4	4	4			9/4/90	WB
	G) Safety Off Force	2	2 1/4	2			9/4/90	WB
	H) Trigger Pull Test & Retainability						9/4/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/4/90	WB
	J) Assemble Stock						9/13/90	RW
	K) Assemble Swivel Studs						9/13/90	JS
	L) Attach Front and Rear Sight Assemblies						9/13/90	RW
	M) Iron Sight Alignment						9/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/13/90	RW
	O) Attach Scope to Rifle						9/13/90	RW
	P) Detach & Attach Scope 20 Times						9/13/90	RW
640	Gallery Target & Test						9-13-90	AC
	A) Time						9-13-90	AC
	B) Malfunctions						9-13-90	AC
	C) Pierced Primers						9-13-90	AC
	D) Optical Clarity of Scope						9-13-90	AC
645	Inspect for Live Ammo						9-13-90	AC
655	Final Inspection						9/15/90	JS
	A) Headspace						9/15/90	JS
	B) Trigger Pull	2.50	2.38	2.51	2.40	2.42	9-15-90	JS
	C) Function						9/15/90	JS
660	Pack						9-18-90	JS