

C6225459

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



88299

5081

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225459.___0
FILE DATE AND TIME: 10/19/2004 06:42

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

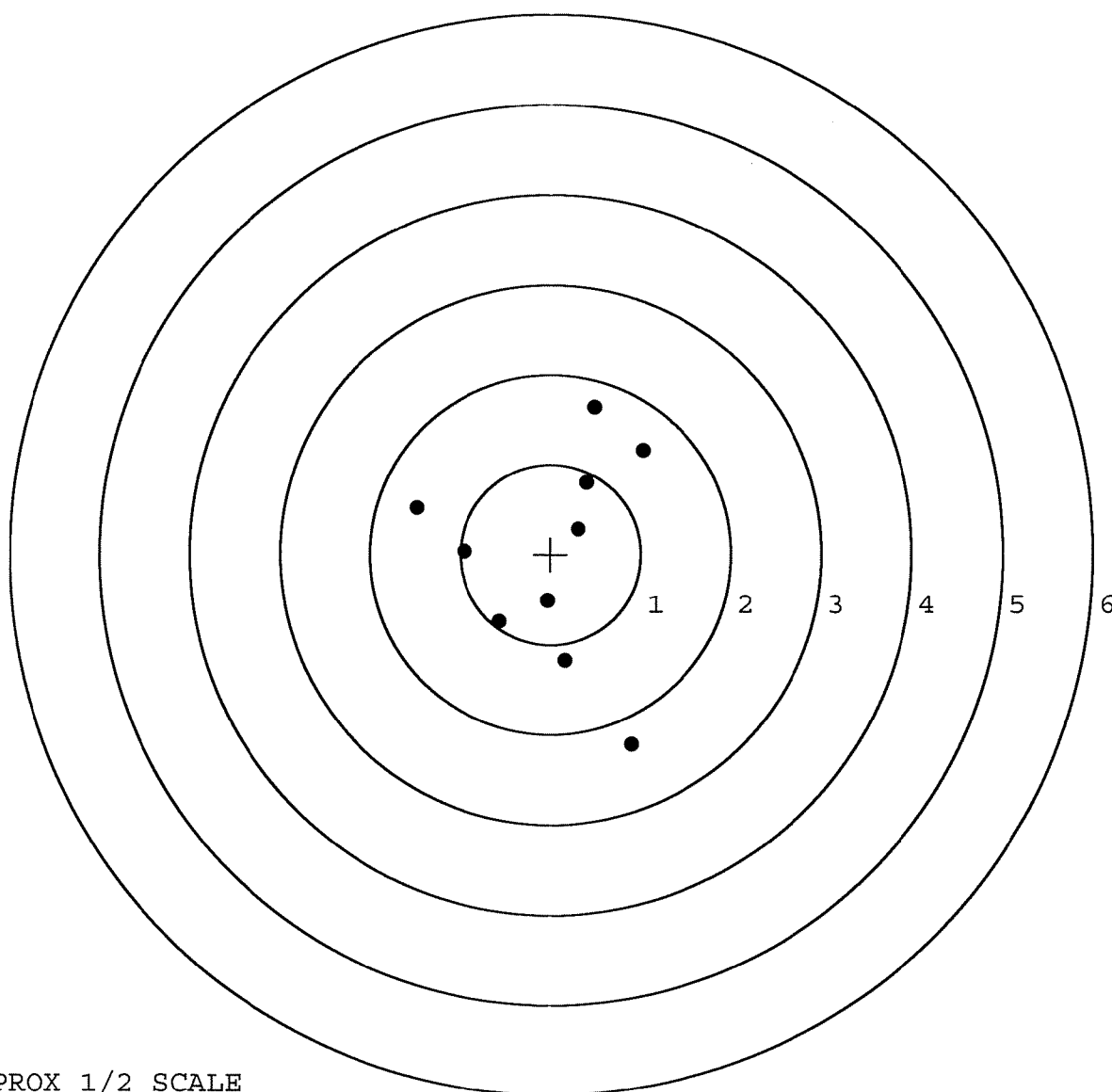
The Average X Centroid of the Five Target Set:	0.072
The Average Y Centroid of the Five Target Set:	-0.085
The Average Point of Impact of the Five Target Set:	0.112
The Average Mean Radius of the Five Target Set:	0.990
The Distance from POA to Centroid Target #1:	0.029
The Distance from Centroid Target #2 to Centroid Target #1:	0.360
The Distance from Centroid Target #3 to Centroid Target #1:	0.073
The Distance from Centroid Target #4 to Centroid Target #1:	0.150
The Distance from Centroid Target #5 to Centroid Target #1:	0.128

SERIAL NUMBER: C6225459. __0
TARGET NUMBER: 1
FILE DATE: 10/19/2004
FILE TIME: 06:42

X CENTROID: 0.024
Y CENTROID: -0.016
POA TO CENTROID: 0.029
HORZ SPREAD: 2.509
VERT SPREAD: 3.757
GROUP SPREAD: 3.780
MIN RADIUS: 0.410
MAX RADIUS: 2.279
MEAN RADIUS: 1.205

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.901	-2.120
2:	0.166	-1.184
3:	-0.038	-0.517
4:	-0.570	-0.750
5:	-0.958	0.027
6:	-1.484	0.508
7:	0.310	0.278
8:	0.405	0.799
9:	1.025	1.157
10:	0.487	1.637



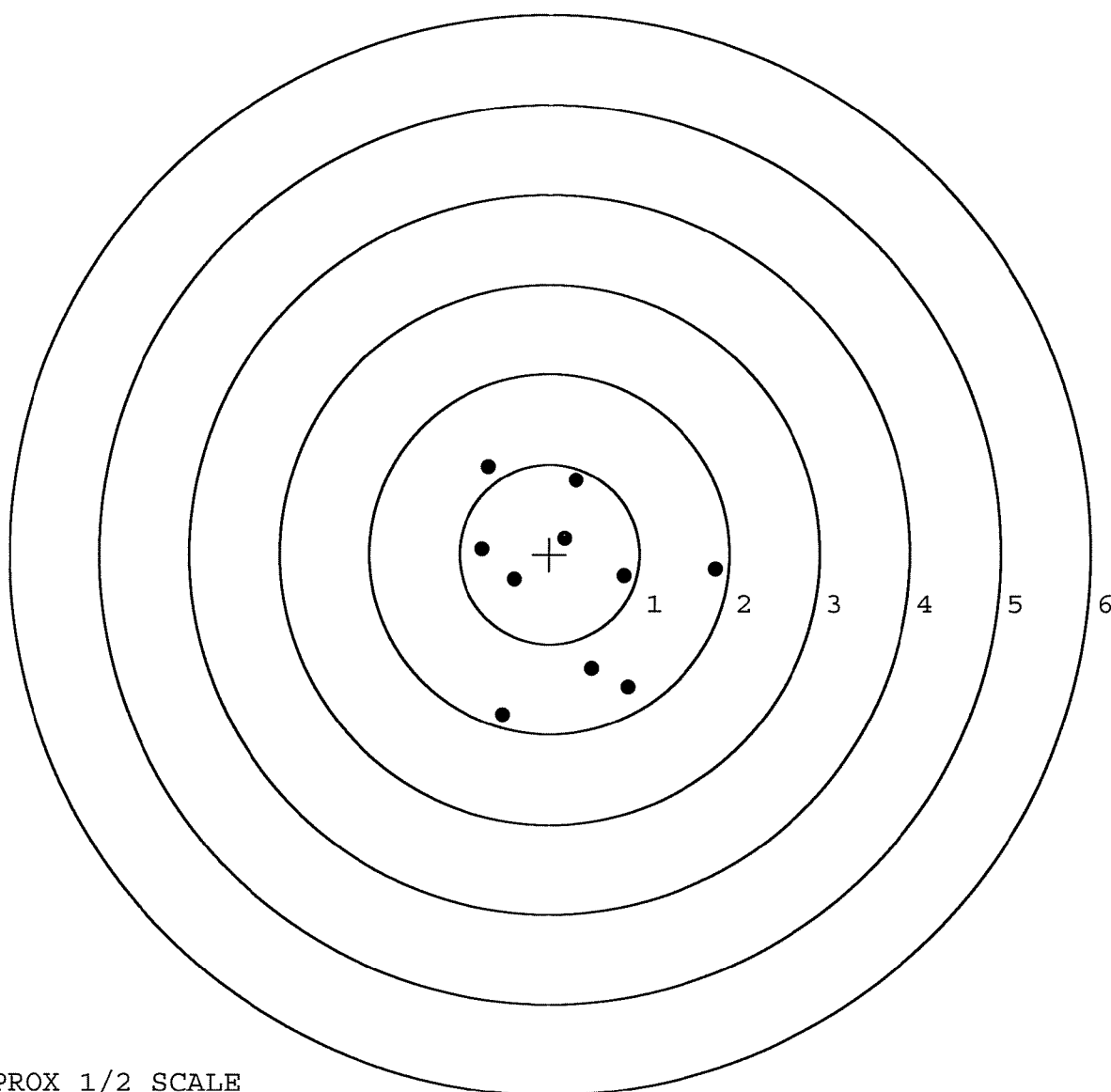
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225459. __0
TARGET NUMBER: 2
FILE DATE: 10/19/2004
FILE TIME: 06:42

X CENTROID: 0.216
Y CENTROID: -0.322
POA TO CENTROID: 0.387
HORZ SPREAD: 2.588
VERT SPREAD: 2.765
GROUP SPREAD: 2.863
MIN RADIUS: 0.504
MAX RADIUS: 1.645
MEAN RADIUS: 1.109

IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.878	-1.485
2:	0.476	-1.276
3:	-0.515	-1.796
4:	1.841	-0.169
5:	0.829	-0.241
6:	0.172	0.180
7:	0.295	0.825
8:	-0.685	0.969
9:	-0.389	-0.284
10:	-0.747	0.058



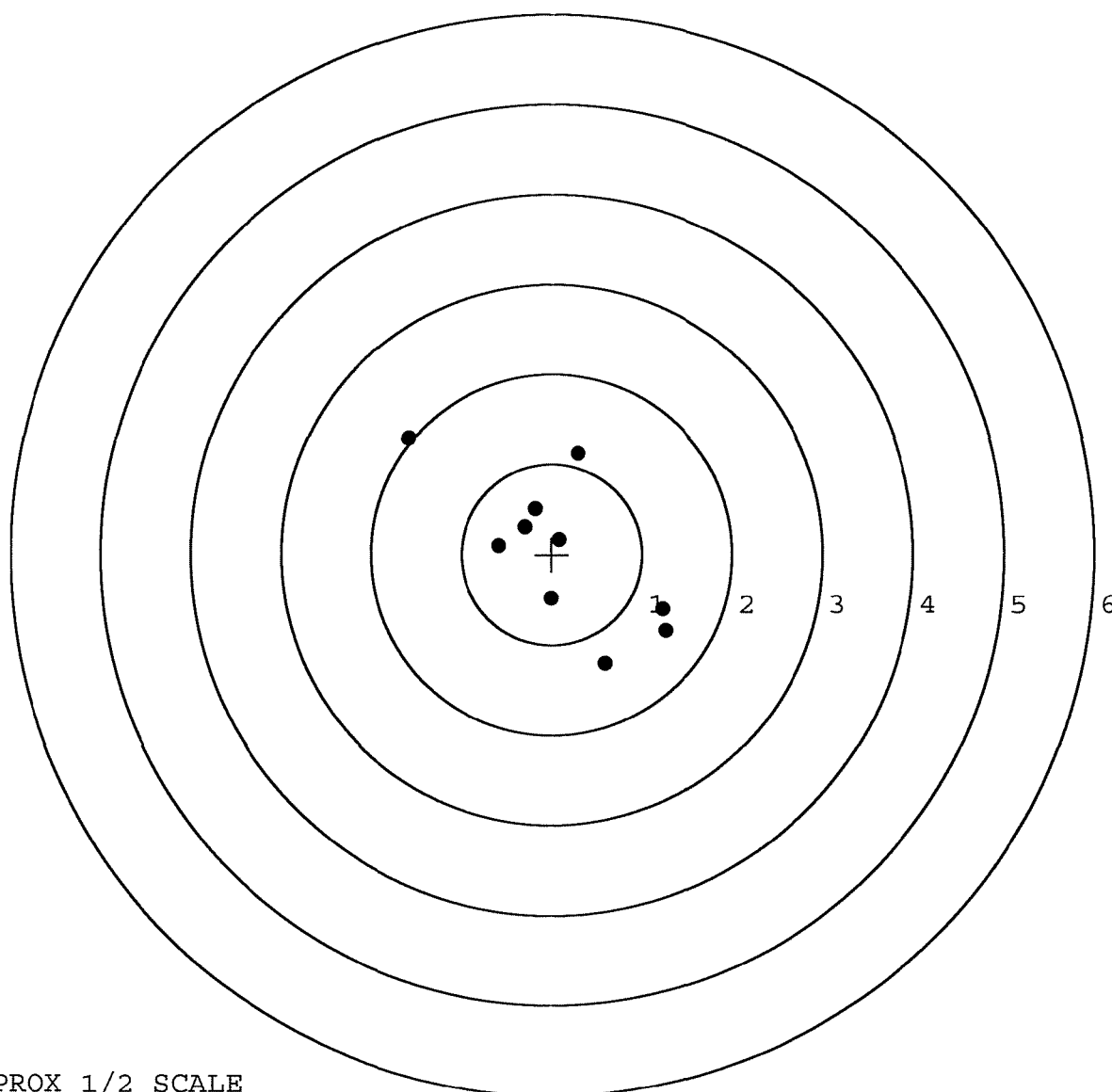
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225459. __0
TARGET NUMBER: 3
FILE DATE: 10/19/2004
FILE TIME: 06:42

X CENTROID: 0.080
Y CENTROID: 0.030
POA TO CENTROID: 0.085
HORZ SPREAD: 2.856
VERT SPREAD: 2.491
GROUP SPREAD: 3.564
MIN RADIUS: 0.132
MAX RADIUS: 2.090
MEAN RADIUS: 0.967

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.264	-0.848
2:	1.229	-0.611
3:	0.597	-1.207
4:	-0.008	-0.491
5:	0.085	0.162
6:	-0.185	0.501
7:	-0.294	0.302
8:	-0.592	0.096
9:	0.294	1.117
10:	-1.592	1.284



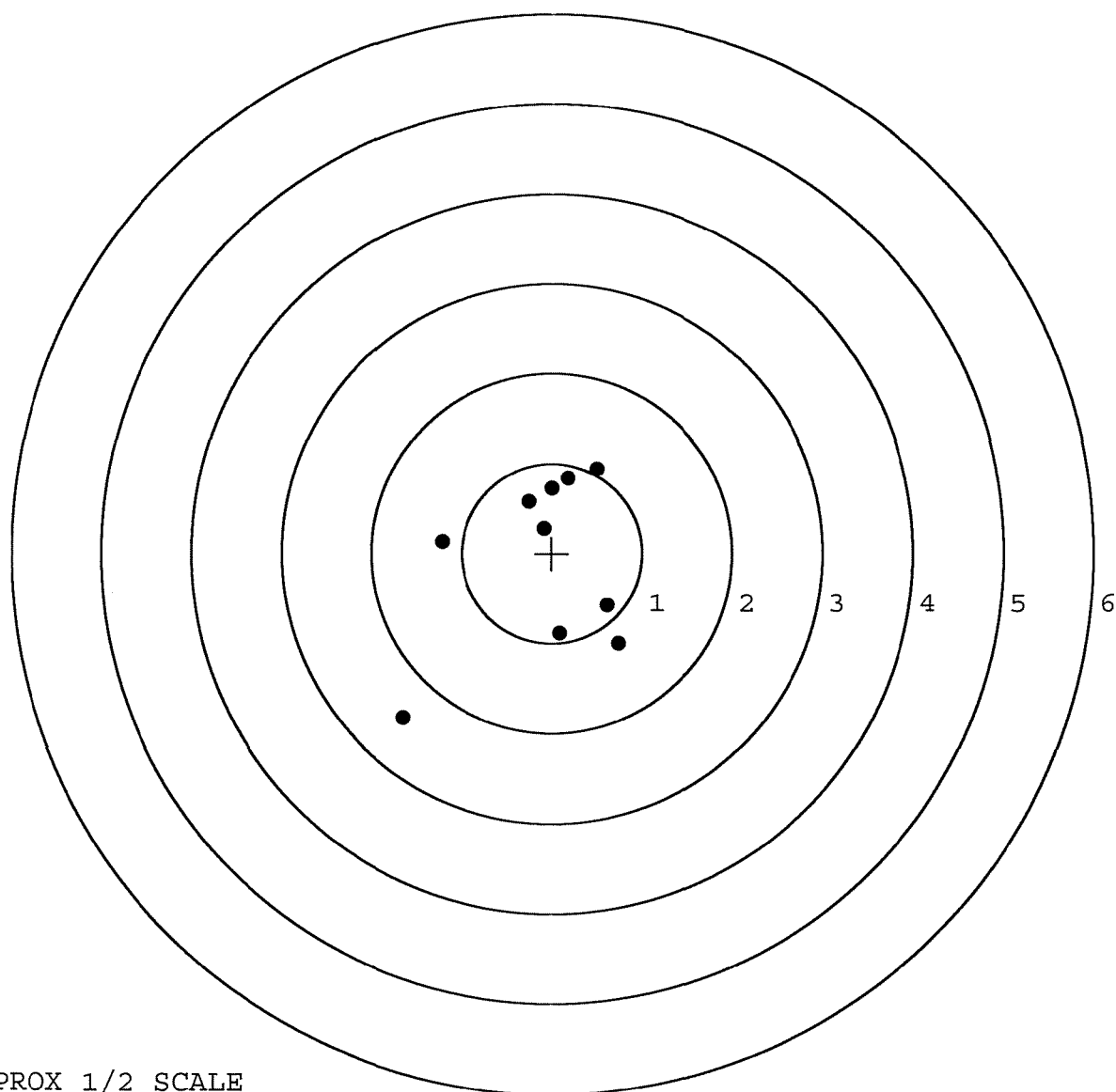
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225459. 0
TARGET NUMBER: 4
FILE DATE: 10/19/2004
FILE TIME: 06:42

X CENTROID: -0.109
Y CENTROID: -0.085
POA TO CENTROID: 0.138
HORZ SPREAD: 2.394
VERT SPREAD: 2.771
GROUP SPREAD: 3.508
MIN RADIUS: 0.362
MAX RADIUS: 2.332
MEAN RADIUS: 1.045

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.744	-1.013
2:	0.617	-0.586
3:	0.087	-0.898
4:	0.502	0.936
5:	0.182	0.838
6:	-0.002	0.723
7:	-0.256	0.578
8:	-0.093	0.276
9:	-1.219	0.127
10:	-1.650	-1.835



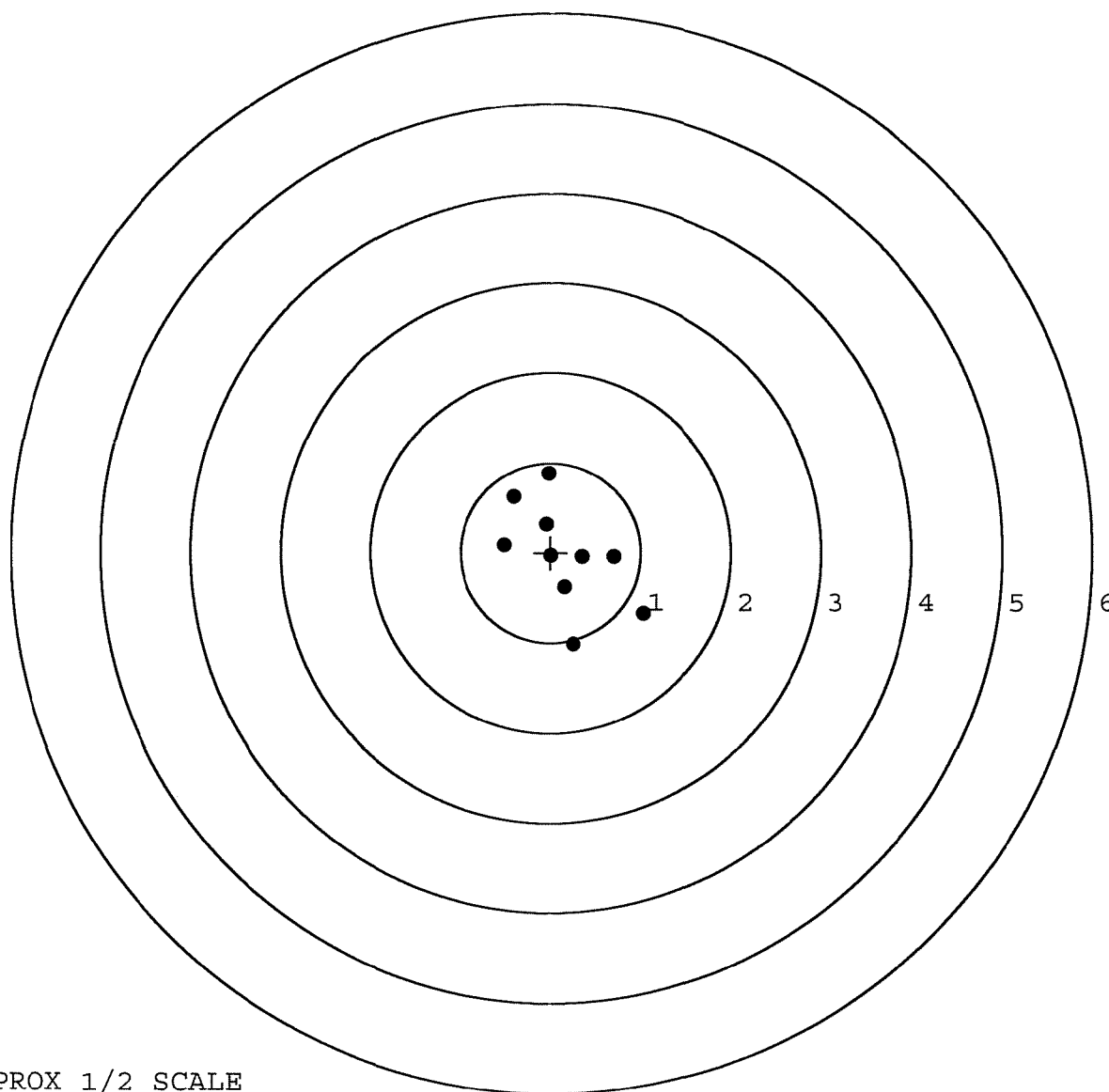
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225459. __0
TARGET NUMBER: 5
FILE DATE: 10/19/2004
FILE TIME: 06:42

X CENTROID: 0.151
Y CENTROID: -0.032
POA TO CENTROID: 0.154
HORZ SPREAD: 1.550
VERT SPREAD: 1.909
GROUP SPREAD: 1.945
MIN RADIUS: 0.148
MAX RADIUS: 1.097
MEAN RADIUS: 0.622

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.033	-0.685
2:	0.704	-0.048
3:	0.256	-1.025
4:	-0.408	0.621
5:	-0.022	0.884
6:	-0.517	0.081
7:	-0.052	0.316
8:	0.355	-0.048
9:	0.159	-0.381
10:	0.003	-0.037



TARGET APPROX 1/2 SCALE

For use of this form, see DA PAM 738-750 and 738-751: the proponent agency is DCSLOG

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DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	85591		
SERIAL NUMBER	C6225459		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-29-04	RTL
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-6-04	RTL
600	PROOF	10-7-04	RTL
605	CHECK HEADSPACE	10-7-04	RTL
610	DIS-ASSEMBLE GUN	10-7-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-04	SB/CW
618	ROTO-BLAST	10-11-04	LB
620	APPLY COATINGS	10/14/04	HP
625 A	FINAL ASSEMBLY	10-17-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-19-04	TRW
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-5-04	RA
		SHIP DATE	
	QAR INSPECTION DATE		

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225459

OPERATION		DATE	INT
#	NAME		
575- 580	ASSEMBLY	2 26	FB
600	PROOF	2 29	RW
615	MAGNAFLUX BARREL	5/13/88	Pfe.
	MAGNAFLUX BOLT	5/13/88	Pfe.
620	COATING	8/1/88	TJH
625- 630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400061341

M-24

SCOPE #
1207

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6225459

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	QUALITY AUDIT		
600	Proof			
607	Check Headspace			
610	Dis-assemble gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coatings (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/12/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/12/88	RW
	C) Inspect Ejector Hole for Chamfer		9/12/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		9/12/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake			
	F) Safety on Force	7 1/4 7 1/4 7 1/2	12 Sept 88	W.B.
	G) Safety off Force	3 1/2 3 1/2 3 1/4	12 Sept 88	W.B.
	H) Trigger Pull Test & Retainability		12 Sept 88	W.B.
	I) Firing Pin Indent	.0225 .0225 .022	12 Sept 88	W.B.
	J) Assemble Stock		9/15/88	RW
	K) Assemble Swivel Studs		10-12-88	G.S.
	L) Attach Front & Rear Sight Assemblies		9/15/88	RW
	M) Iron Sight Alignment		9/15/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/15/88	RW
	O) Attach Scope to Rifle		10/5/88	RW
	P) Detach & Attach Scope 20 times		10-5-88	G.S.
640	Gallery Target & Test	57 R 98 L	10-11-88	DT.
	A) Optical Clarity of Scope		10-11-88	94
645	Inspect for Live Ammo		10-11-88	94
655	Final Inspection			
	A) Headspace		10-12-88	G.S.
	B) Trigger Pull		10-14-88	G.S.
	C) Function		10-12-88	G.S.
660	Pack		10-21-88	G.S.

SWS TRIGGER PULL TEST

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

SERIAL NO. C 6225459
DATE 12 Sept 88
TESTER J.V. W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	³ 2.54	2.48	³ 2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.47	2.47	
PULL #3	2.51	2.44	2.46	
PULL #4	2.49	2.44	2.47	
PULL #5	2.49	2.45	2.46	
TOTAL	12.52	12.28	12.34	
AVG.	2.504	2.456	2.47	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.28	3.18	
PULL #2	3.24	3.12	
PULL #3	3.27	3.13	
PULL #4	3.24	3.11	
PULL #5	3.25	3.12	
TOTAL	16.28	15.66	
AVG.	3.256	3.13	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	¹ 4.35	¹ 4.34		4.23
PULL #2	4.35	4.33		4.25
PULL #3	4.34	4.31		4.27
PULL #4	4.19	4.31		4.10
PULL #5	4.32	4.33		4.29
TOTAL	21.55	21.62		21.14
AVG.	4.31	4.324		4.23

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 6225459

CENTROIDAL DISTANCES

0 TO	1	1.47656
1 TO	2	.821628
1 TO	3	1.2591
1 TO	4	.479088
1 TO	5	.45049

+ <---FOR

9 2 5 1
+

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .054
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -1.4248
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.42082
THE AMR FOR THIS RIFLE IS: .9012

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6225458

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 1.118

VS= 2.878

GS= 3.032

CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.538	.487	.542
MINIMUM X	:	-.588	-.631	-.576
MAXIMUM Y	:	1.294	1.118	.582
MINIMUM Y	:	-1.584	-.763	-.623
CENTROID X	:	.589	.640	.585
CENTROID Y	:	-1.354	-1.178	-1.318
POA TO CENTROID in.	:	1.477	1.341	1.442
MIN RADIUS	:	.304	.259	.275
MEAN RADIUS	:	.767	.656	.577
MAX RADIUS	:	1.650	1.202	.762
HORIZONTAL SPREAD	:	1.118	1.118	1.118
VERTICAL SPREAD	:	2.878	1.881	1.205
EXTREME SPREAD	:	3.032	2.101	1.455
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6225455

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS= 2.264

VS= 2.899

GS= 2.912

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.256	1.258	1.216
MINIMUM X	:	-1.008	-1.006	-.849
MAXIMUM Y	:	1.830	1.374	1.383
MINIMUM Y	:	-1.069	-.865	-.856
CENTROID X	:	-.227	-.229	-.386
CENTROID Y	:	-1.258	-1.462	-1.471
POA TO CENTROID in.	:	1.279	1.479	1.521
MIN RADIUS	:	.209	.191	.201
MEAN RADIUS	:	.984	.848	.772
MAX RADIUS	:	1.830	1.374	1.389
HORIZONTAL SPREAD	:	2.264	2.264	2.065
VERTICAL SPREAD	:	2.899	2.239	2.239
EXTREME SPREAD	:	2.912	2.305	2.250
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6225459

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.373

VS= 3.368

GS= 3.672

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.280	1.328	1.198
MINIMUM X	:	-1.093	-1.045	-.801
MAXIMUM Y	:	1.362	1.139	1.278
MINIMUM Y	:	-2.006	-1.126	-.988
CENTROID X	:	-.670	-.718	-.588
CENTROID Y	:	-1.370	-1.147	-1.286
POA TO CENTROID in.	:	1.525	1.353	1.413
MIN RADIUS	:	.420	.254	.417
MEAN RADIUS	:	1.140	1.014	.962
MAX RADIUS	:	2.053	1.551	1.368
HORIZONTAL SPREAD	:	2.373	2.373	1.999
VERTICAL SPREAD	:	3.368	2.265	2.265
EXTREME SPREAD	:	3.672	3.047	2.534
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6223459

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 2.331

VS= 1.705

GS= 2.853

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.977	.826	.663
MINIMUM X	:	-1.354	-.663	-.560
MAXIMUM Y	:	.680	.566	.629
MINIMUM Y	:	-1.025	-.777	-.714
CENTROID X	:	.139	.290	.187
CENTROID Y	:	-1.333	-1.219	-1.282
POA TO CENTROID in.	:	1.340	1.253	1.296
MIN RADIUS	:	.257	.076	.193
MEAN RADIUS	:	.781	.654	.612
MAX RADIUS	:	1.699	.969	.833
HORIZONTAL SPREAD	:	2.331	1.489	1.223
VERTICAL SPREAD	:	1.705	1.343	1.343
EXTREME SPREAD	:	2.853	1.624	1.624
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	9		

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6225453

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 9

HS= 1.572

VS= 2.951

GS= 3.044

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.874

.833

.874

MINIMUM X

:

-.698

-.739

-.698

MAXIMUM Y

:

1.158

.959

.505

MINIMUM Y

:

-1.793

-.840

-.721

CENTROID X

:

.439

.480

.439

CENTROID Y

:

-1.809

-1.610

-1.729

POA TO CENTROID in.:

:

1.861

1.680

1.784

MIN RADIUS

:

.445

.253

.365

MEAN RADIUS

:

.834

.680

.647

MAX RADIUS

:

1.832

1.037

1.005

HORIZONTAL SPREAD

:

1.572

1.572

1.572

VERTICAL SPREAD

:

2.951

1.799

1.226

EXTREME SPREAD

:

3.044

1.803

1.650

NUMBER IN ONE INCH CIRCLE =

:

1

NUMBER IN TWO INCH CIRCLE =

:

8

NUMBER IN THREE INCH CIRCLE =

:

9

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225459

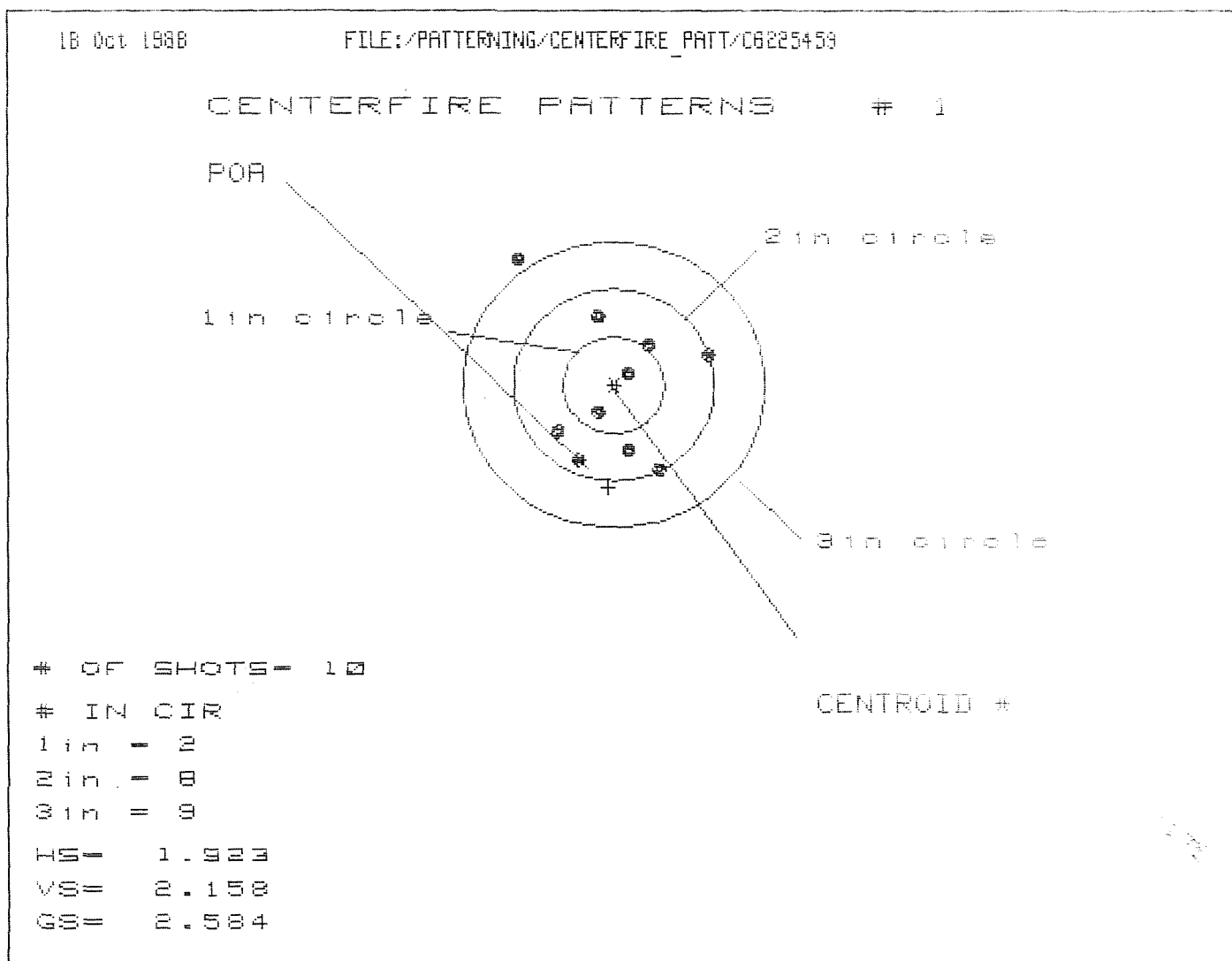
CENTROIDAL DISTANCES

0 TO	1	1.08056
1 TO	2	.532046
1 TO	3	.872349
1 TO	4	.326259
1 TO	5	.368555

$\bar{x}^1$
 $\bar{y}$ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1438
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .7532
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .766804
THE AMR FOR THIS RIFLE IS: 1.149

INTERCHANGEABILITY

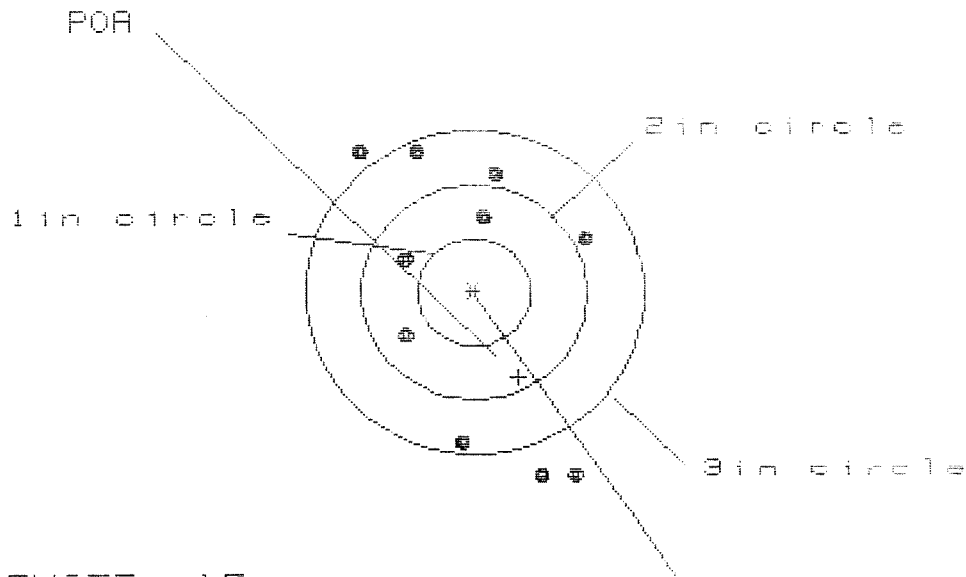


PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.973	.868	.474
MINIMUM X	:	-.950	-.673	-.565
MAXIMUM Y	:	1.295	.913	.973
MINIMUM Y	:	-.863	-.719	-.659
CENTROID X	:	.058	.163	.055
CENTROID Y	:	1.079	.935	.875
POA TO CENTROID in.	:	1.080	.949	.877
MIN RADIUS	:	.241	.295	.172
MEAN RADIUS	:	.778	.667	.608
MAX RADIUS	:	1.606	.991	.980
HORIZONTAL SPREAD	:	1.923	1.541	1.039
VERTICAL SPREAD	:	2.158	1.632	1.632
EXTREME SPREAD	:	2.584	1.736	1.736
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225453

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 7

HS= 2.018

VS= 3.052

GS= 3.611

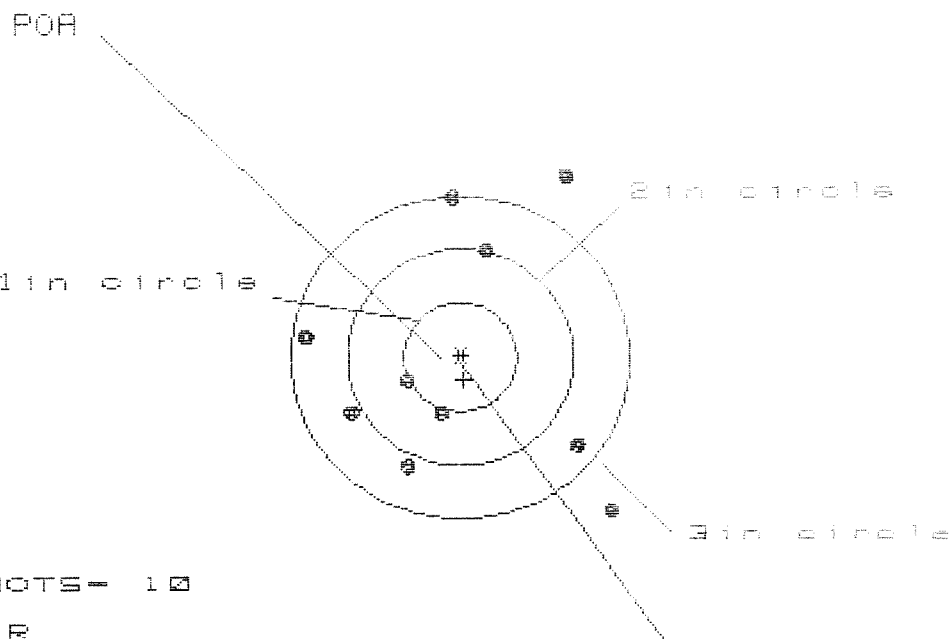
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.014	1.116	1.204
MINIMUM X	:	-1.004	-.902	-.814
MAXIMUM Y	:	1.319	1.127	.890
MINIMUM Y	:	-1.733	-1.892	-1.810
CENTROID X	:	-.390	-.492	-.580
CENTROID Y	:	.792	.984	1.221
POA TO CENTROID in.	:	.883	1.101	1.352
MIN RADIUS	:	.680	.532	.395
MEAN RADIUS	:	1.247	1.119	.949
MAX RADIUS	:	1.964	2.019	1.810
HORIZONTAL SPREAD	:	2.018	2.018	2.018
VERTICAL SPREAD	:	3.052	3.019	2.700
EXTREME SPREAD	:	3.611	3.419	2.832
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

18 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225458

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 7

HS= 2.641

VS= 3.175

GS= 3.275

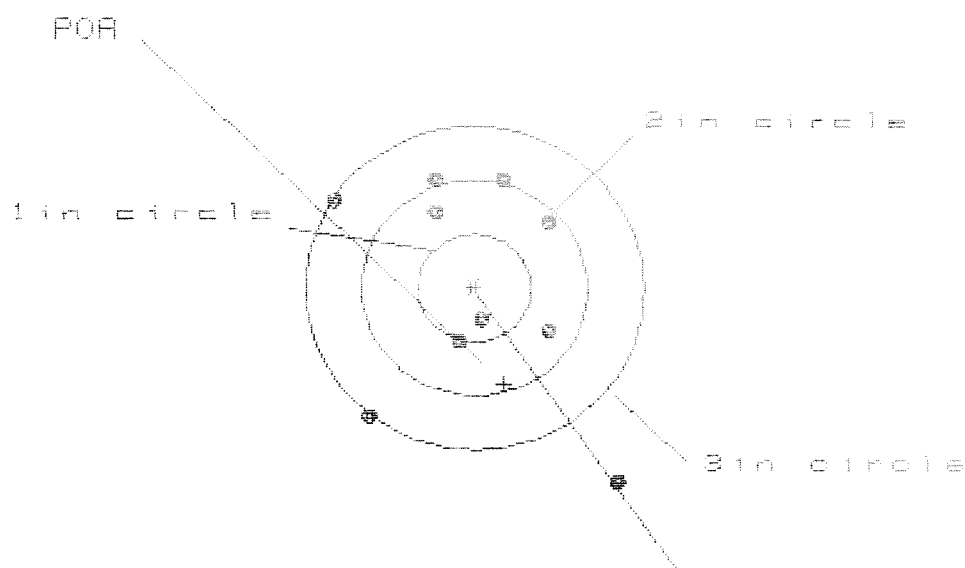
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.284	1.392	1.283
MINIMUM X	:	-1.357	-1.249	-1.075
MAXIMUM Y	:	1.721	1.703	1.545
MINIMUM Y	:	-1.454	-1.262	-1.946
CENTROID X	:	-.029	-.137	-.311
CENTROID Y	:	.211	.019	.177
POA TO CENTROID in.	:	.213	.138	.358
MIN RADIUS	:	.486	.342	.225
MEAN RADIUS	:	1.226	1.090	.974
MAX RADIUS	:	1.978	1.879	1.555
HORIZONTAL SPREAD	:	2.641	2.641	2.358
VERTICAL SPREAD	:	3.175	2.965	2.491
EXTREME SPREAD	:	3.275	3.275	2.563
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

18 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225458

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.521

VS= 2.799

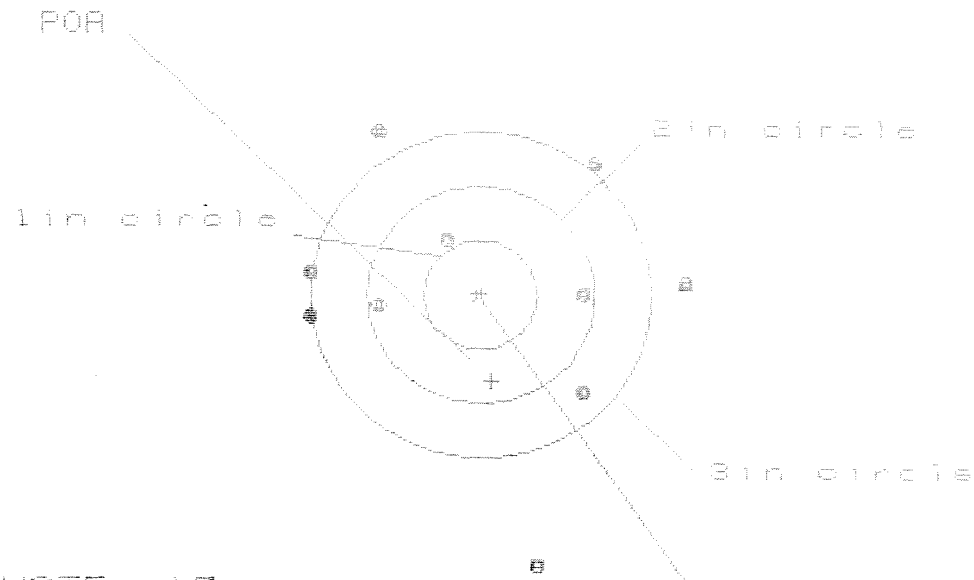
GS= 3.627

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.299	.848	.752
MINIMUM X	:	-1.222	-1.077	-1.174
MAXIMUM Y	:	1.042	.847	.669
MINIMUM Y	:	-1.757	-1.427	-.852
CENTROID X	:	-.259	-.404	-.307
CENTROID Y	:	.891	1.086	1.264
POA TO CENTROID in.:	:	.928	1.158	1.301
MIN RADIUS	:	.347	.538	.444
MEAN RADIUS	:	1.059	.924	.809
MAX RADIUS	:	2.185	1.621	1.267
HORIZONTAL SPREAD	:	2.521	1.925	1.925
VERTICAL SPREAD	:	2.799	2.274	1.521
EXTREME SPREAD	:	3.627	2.469	2.231
NUMBER IN ONE INCH CIRCLE =	:		2	
NUMBER IN TWO INCH CIRCLE =	:		6	
NUMBER IN THREE INCH CIRCLE =	:		8	

18 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225459

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 4

HS= 3.330

VS= 4.001

GS= 4.260

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.814	1.875	1.286
MINIMUM X	-1.516	-1.455	-1.221
MAXIMUM Y	1.538	1.265	1.250
MINIMUM Y	-2.462	-1.158	-1.173
CENTROID X	-0.099	-0.160	-0.394
CENTROID Y	0.793	1.066	1.081
POA TO CENTROID in.	0.799	1.078	1.151
MIN RADIUS	0.541	0.280	0.196
MEAN RADIUS	1.436	1.276	1.164
MAX RADIUS	2.521	1.878	1.647
HORIZONTAL SPREAD	3.330	3.330	2.507
VERTICAL SPREAD	4.001	2.423	2.423
EXTREME SPREAD	4.260	3.344	3.008
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	4		

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 96-13372

INITIAL
FPS

CUSTOMER ORDER NO.
11357

M24

DATE RECEIVED
05/30/96

DATE OPENED
05/30/96

DATE CODE
DI 9-88

SERIAL NUMBER
C6225455

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62

NATO

ACCESSORIES

W/STUDS

SCOPE BASE

FROM:

DEPT OF THE ARMS
HSC, 2ND. BN 7TH SFG (A)
FT BRAGG NC 28307

SHIP TO:

DEPT OF THE ARMS
HSC, 2ND. BN 7TH SFG (A)
FT BRAGG NC
28307

CUST NO: 143691 C.P.D.

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

DOOR

GUN CONDITION

- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

Barrel - 96003
Mag Spring - 15677

COMMENTS

Re powder Coat - Trigger Guard
Assy Front & Rear Sight
Bases
Re zinc Scope Base & Swivel
Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400061357

PAYMENT:

Mastercard / Visa (circle one)

Card #: _____

Exp. Date: _____

Signature: _____

RETURN:

☐ Clark Street Entrance☐ Via US Mail or UPS

(PLEASE PRINT CLEARLY)

FIREARMS DELIVERED TO PLANT

FILE Nº 011357DATE 05-29-96CUSTOMER NAME: Gordon ArmstrongADDRESS: FT. Bragg

ZIP: _____

PHONE: _____

FIREARM

MODEL: m24GAUGE: 308SERIAL # C 1022 500

REMINGTON EMPLOYEE:

YES ☐ NO ☒

EMPLOYEE # _____

DEPT. # _____

CHECK FOR AMMUNITION ☒

CONDITION:

WOOD GOOD FAIR POOR FANCY PLAIN

METAL GOOD FAIR POOR FANCY PLAIN

BARREL VT. RIB PLAIN DEER RSS

ACCESSORIES:

SCOPE: YES NO (BRAND NAME/POWER) _____

SLING: YES NO GUN CASE: YES NO (HARD-SOFT)

EXTRA BBL FOR GUN MENTIONED ABOVE:

OTHER (Note in this area items missing or added from orig. equipment)

CUSTOMER REQUEST: _____

SIGNATURE: Gordon Armstrong
(Person delivering firearm to Plant)DATE: 29 MAY 96SIGNATURE: Steven C. Williams
(Security Officer)DATE: 25-29-96SIGNATURE: A. W. Smith
(Firearm picked up by)DATE: 5/30/96

Arm Service Copy

MAINTENANCE REQUEST				PAGE NO.		NO. OF PAGES		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)	
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG									
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. PD 02		PD AUTHENTICATION 	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION HSC, 2/7 SFG(A) FT. BRAGG, NC 28307		B. LOCATION BLDG E-3928 FT. BRAGG, NC 28307		C. UNIT IDENT CODE WH0000			
2. SERIAL NO C6225522		3. NOUN NOMENCLATURE RIFLE, SNIPER M24		4. LINE NO. K95387		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-240-2136	
7A. MAINTENANCE ACTIVITY		B. LEVEL DEPOT		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC ITEM B	
						10. HOURS		11. MILES	
								12. ROUNDS 1500	
								13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ✓ or X) ☐ A Sch. Main ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other					15. FIRST INDICATION OF TROUBLE (Select one - use ✓ or X) ☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☒ Other				
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs) DEFECTIVE BOLT RELEASE									
B. REMARKS REPAIR AND RETURN REQUESTED. POC IS CPT BURNS AT (910) 432-5208									
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)									
- Place a "✓" or an "X" in the box for the type of action required. - Enter the WESDC if the item is Materiel Condition Status Reportable. - Enter the priority designator as determined from the urgency of need and force activity designator. - The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. Block 1A. Enter the name of the organization submitting the request. Block 1B. Enter the unit submitting the request; units overseas enter APO only. Block 1C. Enter the unit identification code of the unit in block 1A. Block 2. Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. Block 3. Enter the noun abbreviation of the item. Block 4. Enter the item line number, if applicable. Block 5. Enter the model number. Block 6. Enter the National Stock Number of the item listed in Block 3. Block 7. Enter the name of the support activity. Block 7A. Enter the symbol of the maintenance category (O, F, H, D, or L). Block 8. Enter the utilization code. Block 9A. Enter the word "yes" if the item is Materiel Condition Status Reportable. Block 9B. Enter the equipment readiness code, if applicable. Block 9C. Enter the word "yes" if the item is a pacing item. Block 10. Enter the hour reading, if applicable. Block 11. Enter the mileage from the odometer, if applicable. Block 12. Enter the total rounds fired, if applicable. Block 13. For turbine engines, enter the number of hot starts. Block 14. Enter a "✓" or "X" in the proper block. Block 15. Enter a "✓" or "X" in the proper block. Block 16. Describe briefly the fault or symptoms needing correction.									
23. SUBMITTED BY		24. RECEIVED BY							
JULIAN DATE		JULIAN DATE							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225455
17 Apr 1968

CENTROIDAL DISTANCES

0 TO	1	.484682
1 TO	2	.231389
1 TO	3	.446937
1 TO	4	.166301
1 TO	5	.0344384

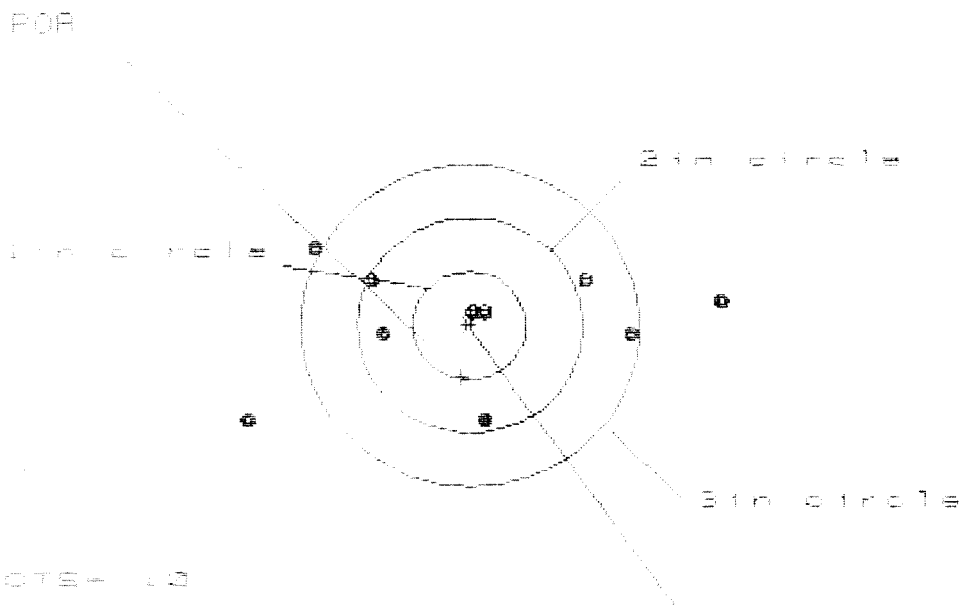
42
+ -----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2891
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4272
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .471784
THE AMR FOR THIS RIFLE IS: 1.106

17 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08285455

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIRC

1 in = 2

2 in = 5

3 in = 7

HS = 4.148

VS = 1.653

GS = 4.292

PATTERN #

1

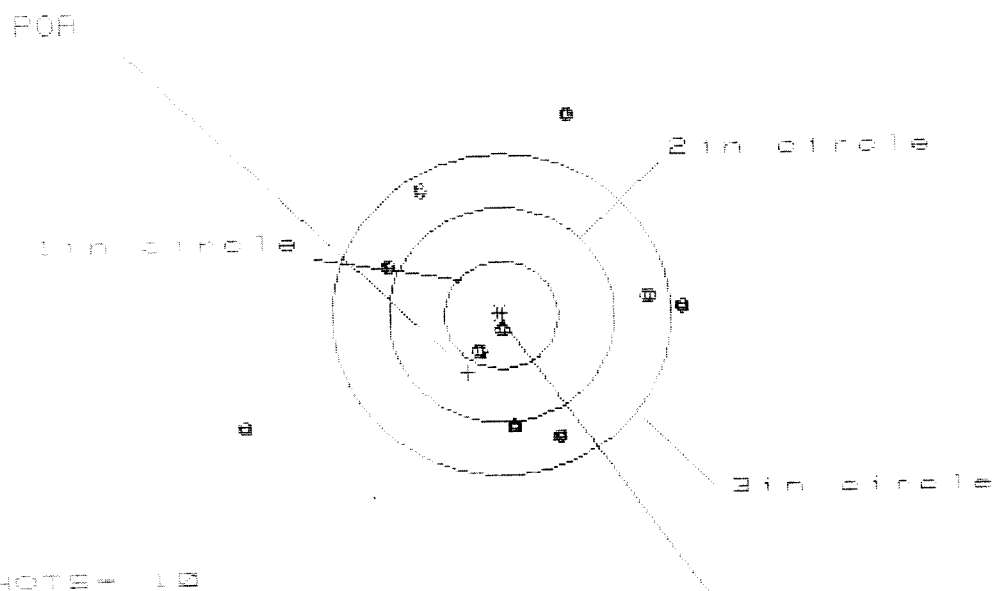
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.216	1.793	1.492
MINIMUM X	-1.932	-1.686	-1.386
MAXIMUM Y	.729	.752	.643
MINIMUM Y	-.924	-.901	-1.010
CENTROID X	.074	-.172	.039
CENTROID Y	.479	.456	.565
POA TO CENTROID in.	.484	.497	.566
MIN RADIUS	.075	.283	.058
MEAN RADIUS	1.153	1.042	.890
MAX RADIUS	2.225	1.899	1.528
HORIZONTAL SPREAD	4.148	3.389	2.878
VERTICAL SPREAD	1.653	1.653	1.653
EXTREME SPREAD	4.292	3.477	3.000
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	

17 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225455

CENTERFIRE PATTERNS

2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 2

3 in = 7

HS = 3.925

VS = 2.988

CS = 4.084

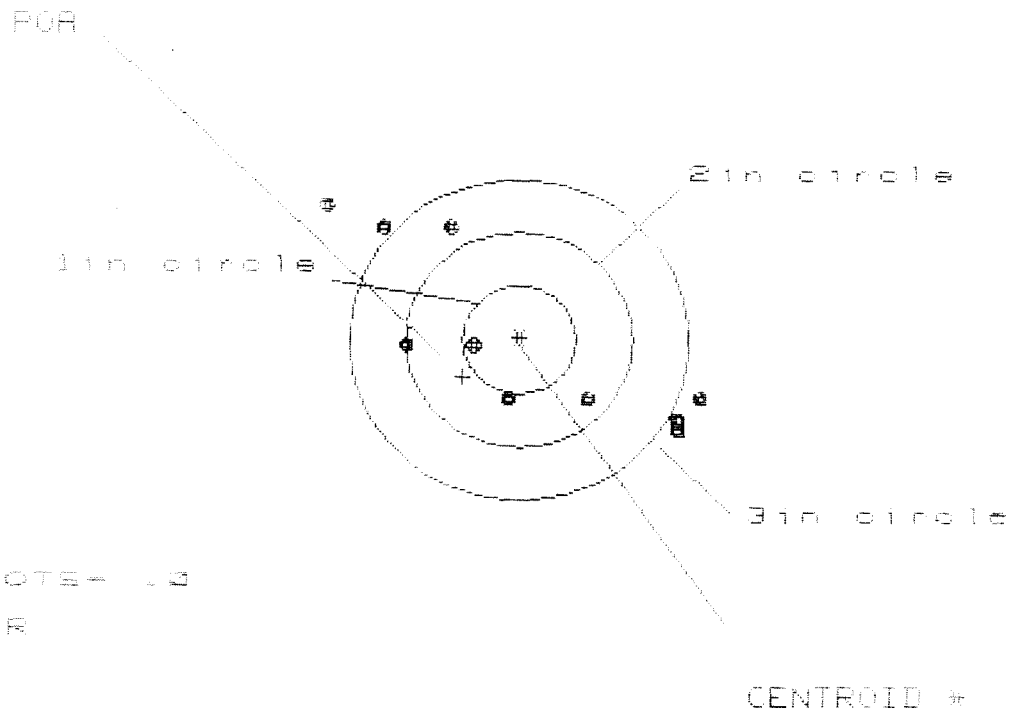
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.637	1.382	1.421
MINIMUM X	:	-2.288	-1.210	-1.171
MAXIMUM Y	:	1.845	1.726	1.277
MINIMUM Y	:	-1.143	-1.262	-1.046
CENTROID X	:	.299	.553	.514
CENTROID Y	:	.533	.652	.436
POB TO CENTROID IN.	:	.611	.855	.674
MIN RADIUS	:	.170	.375	.214
MEAN RADIUS	:	1.267	1.147	1.018
MAX RADIUS	:	2.527	1.753	1.543
HORIZONTAL SPREAD	:	3.925	2.592	2.592
VERTICAL SPREAD	:	2.988	2.988	2.323
EXTREME SPREAD	:	4.084	2.989	2.625
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

17 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225455

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 5

HS= 3.306

VS= 2.085

GS= 3.760

PATTERN #	1	2	3
SHOTS (BEST OF)	10	10	10
MAXIMUM X	1.610	1.421	1.427
MINIMUM X	-1.696	-1.359	-1.182
MAXIMUM Y	1.285	1.194	1.137
MINIMUM Y	-0.880	-0.746	-0.803
CENTROID X	.501	.689	.512
CENTROID Y	.347	.213	.270
POA TO CENTROID in.	.609	.721	.578
MIN RADIUS	.428	.496	.438
MEAN RADIUS	1.265	1.152	1.099
MAX RADIUS	2.080	1.809	1.640
HORIZONTAL SPREAD	3.306	2.781	2.609
VERTICAL SPREAD	2.085	1.940	1.940
EXTREME SPREAD	3.760	3.232	3.210
NUMBER IN ONE INCH CIRCLE =	1	1	1
NUMBER IN TWO INCH CIRCLE =	3	3	3
NUMBER IN THREE INCH CIRCLE =	5	5	5

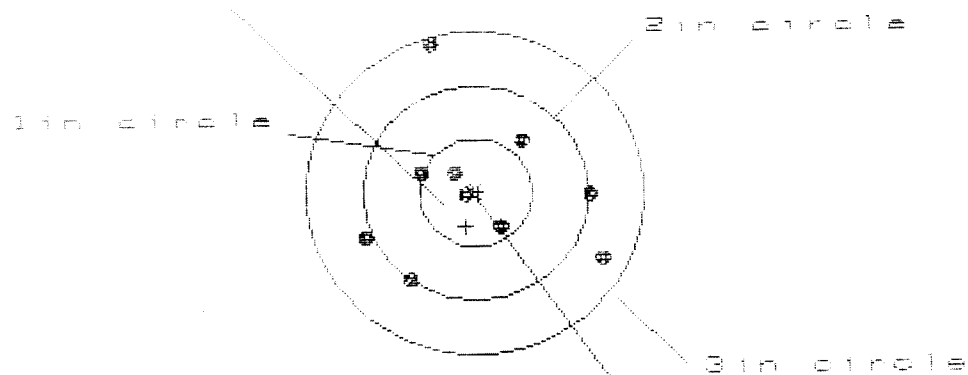
17 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06235455

CENTERFIRE PATTERNS

4

FOR



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 2.125

VS= 2.189

GS= 2.484

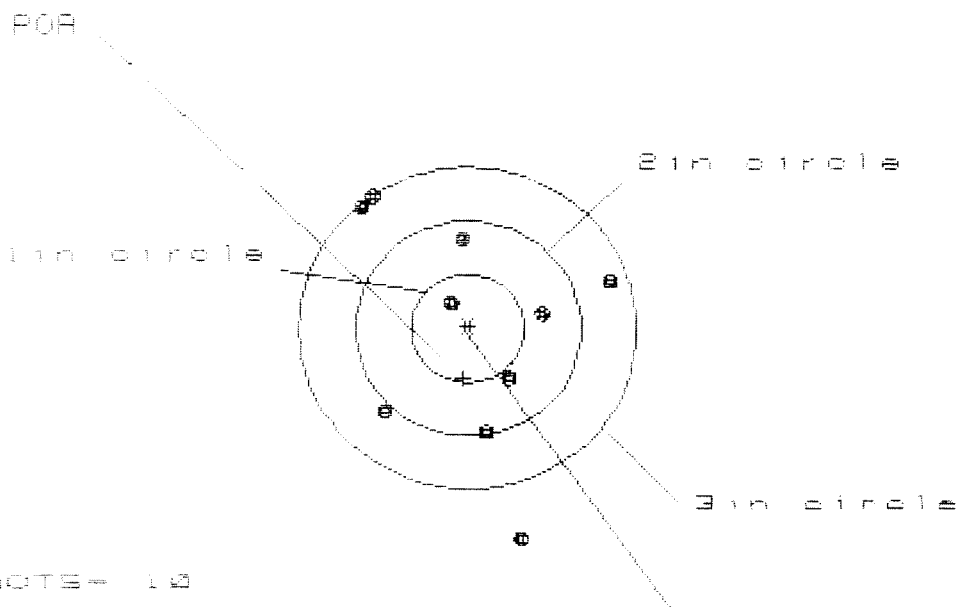
CENTROID +

PATTERN #		4		
SHOTS (BEST OF)	:	10		
MAXIMUM X	:	1.113		1.193
MINIMUM X	:	-1.012	-1.055	1.621
MAXIMUM Y	:	1.371	1.649	1.592
MINIMUM Y	:	-1.818	-1.665	-1.722
CENTROID X	:	.084	.127	-1.007
CENTROID Y	:	.313	.160	.217
POA TO CENTROID in.	:	.324	.204	.217
MIN RADIUS	:	.100	.164	.045
MEAN RADIUS	:	.776	.703	.625
MAX RADIUS	:	1.425	1.164	1.103
HORIZONTAL SPREAD	:	2.125	2.125	2.023
VERTICAL SPREAD	:	2.189	1.314	1.314
EXTREME SPREAD	:	2.484	2.131	2.062
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Apr 1968

FILE: PATTERNING/CENTERFIRE_PATT/08225455

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.105

VS= 3.253

GS= 3.503

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	5	
MAXIMUM X	:	1.211	1.256	1.150
MINIMUM X	:	-.894	-.849	-.955
MAXIMUM Y	:	1.286	1.067	1.071
MINIMUM Y	:	-1.968	-1.142	-1.009
CENTROID X	:	.043	.002	.104
CENTROID Y	:	.464	.642	.549
POA TO CENTROID in.	:	.466	.612	.559
MIN RADIUS	:	.320	.300	.293
MEAN RADIUS	:	1.069	.941	.881
MAX RADIUS	:	2.009	1.362	1.435
HORIZONTAL SPREAD	:	2.105	2.105	2.105
VERTICAL SPREAD	:	3.253	2.209	2.080
EXTREME SPREAD	:	3.503	2.450	2.335
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

21 DAY TURN - AROUND

M-24

CONTRACT # DAAA09-92-C-0834

Barrel

R&E NO.

SERIAL NO. *C6225455*

LOG IN DATE: *5/30/96*

DATE

INIT.

INSPECT & VERIFY:

OP. #

OP. NAME

550

DIS-ASSEMBLE GUN

560 A

RE-BARREL AT CUSTOM SHOP

B

DRILL & TAP

C

POLISH

575

ASSEMBLE

600

PROOF

6/6/96

Rw

605

CHECK HEADSPACE

6/6/96

Rw

610

DIS-ASSEMBLE

612

MAGNAFLUX

615

ROLLMARK CALIBER

618

ROTO-BLAST

620

APPLY COATINGS

625 A

FINAL ASSEMBLY

6/18/96

Rw

B

TRIGGER PULL TEST

C

SAFETY ON FORCE

D

SAFETY OFF FORCE

E

FIRING PIN INDENT

640

TARGET

6/18/96

Rw

655

FINAL INSPECT

6/20/96

Rw

660

PACK

QAR INSPECTION

SHIP DATE

Final Inspection

Sn: C6225455

DATE REC'D: 5/30/96

DATE RET'D:

Auditor: RW

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 Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225459
19 Feb 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0444
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1896
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .194729

THE AMR FOR THIS RIFLE IS: 1.229

CENTROIDAL DISTANCES

0	TO	1	.259093
1	TO	2	.52503
1	TO	3	.247316
1	TO	4	.138051
1	TO	5	.126115

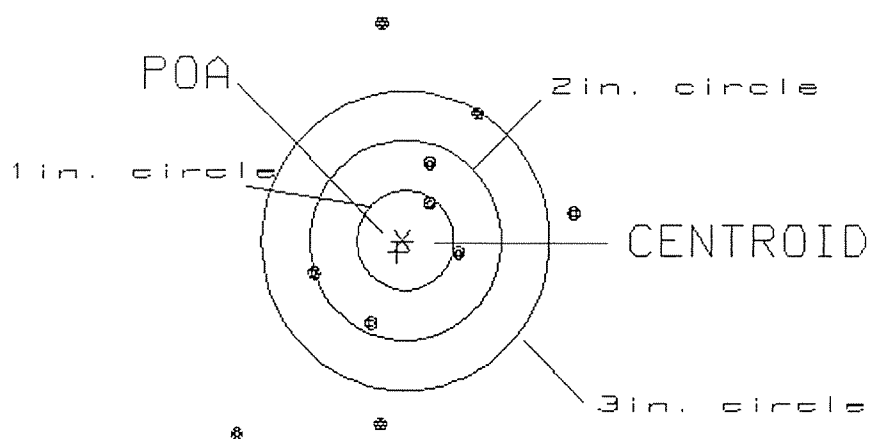
3 1 4
2 5
+ <----POA

PATTERN #: 5
 POA TO CENTROID: .134
 MIN RADIUS : .420
 MEAN RADIUS : 1.347
 MAX RADIUS : 2.535
 CENTROID X : .052
 CENTROID Y : .124

19 Feb 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225459

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.45

1

VS= 4.09

4

GS= 4.35

6

PATTERN #: 4

POA TO CENTROID: .339

MIN RADIUS : .449

MEAN RADIUS : 1.320

MAX RADIUS : 2.481

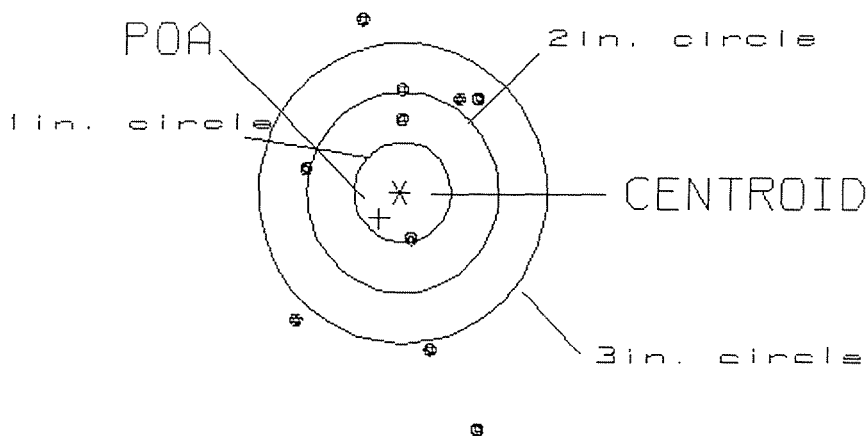
CENTROID X : .212

CENTROID Y : .265

19 Feb 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225459

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 1.89

1

VS= 4.14

2

GS= 4.30

6

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .342

MIN RADIUS : .318

MEAN RADIUS : 1.000

MAX RADIUS : 1.528

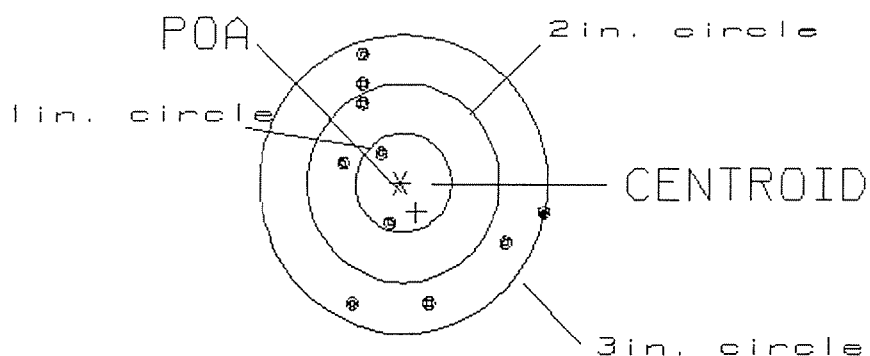
CENTROID X : -.167

CENTROID Y : .299

19 Feb 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225459

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.12

2

VS= 2.46

4

GS= 2.57

9

PATTERN #: 2

POA TO CENTROID: .394

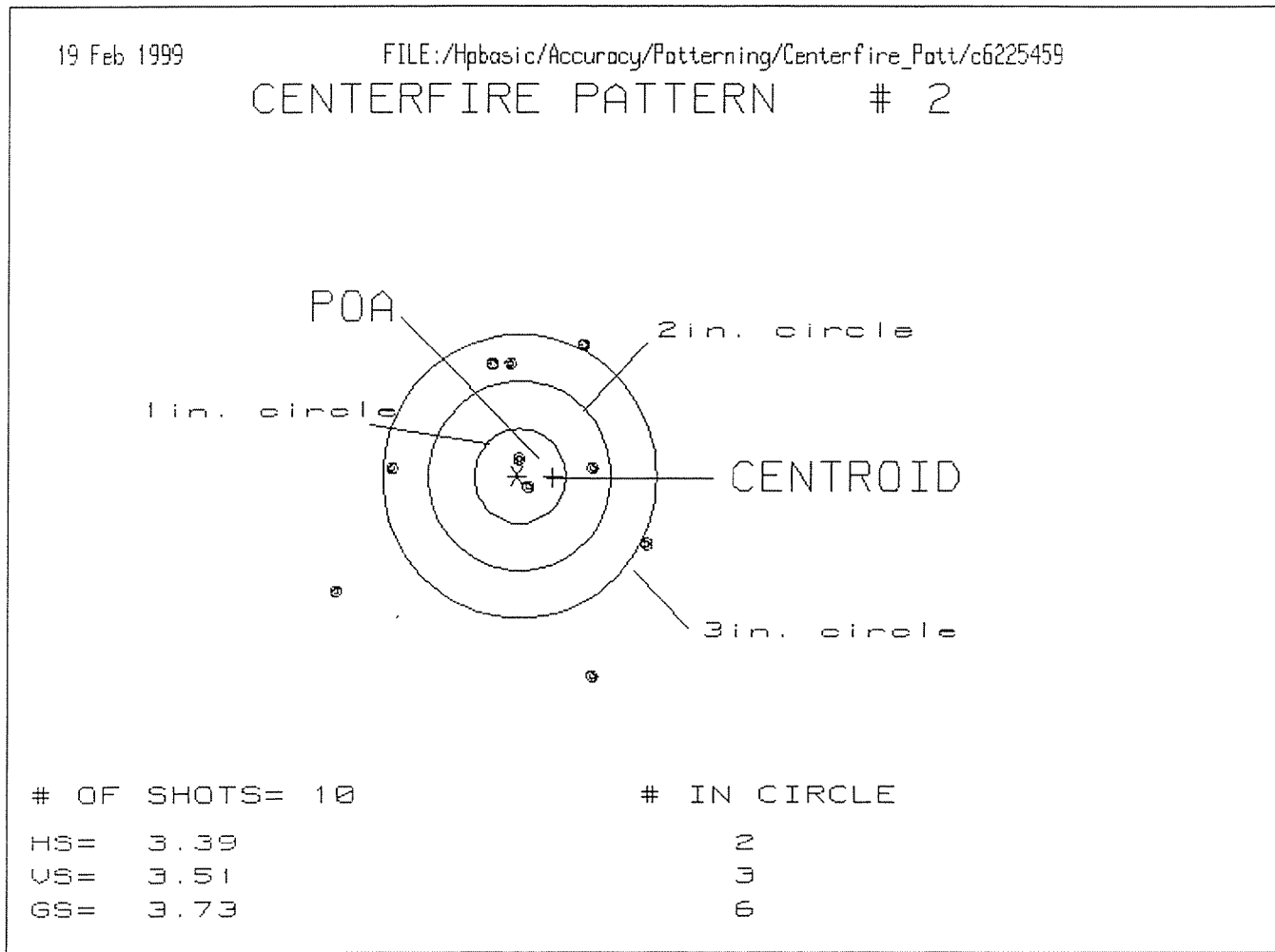
MIN RADIUS : .115

MEAN RADIUS : 1.262

MAX RADIUS : 2.318

CENTROID X : -.394

CENTROID Y : .012



REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 010

POA TO CENTROID: .258

MIN RADIUS : .110

MEAN RADIUS : 1.216

MAX RADIUS : 1.924

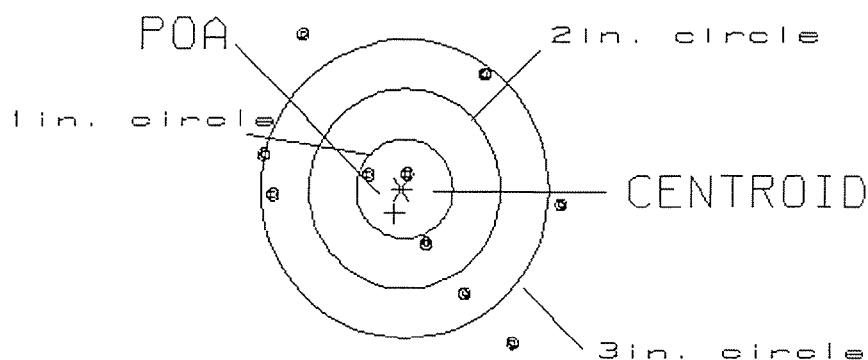
CENTROID X : .075

CENTROID Y : .248

19 Feb 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225459

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.15

2

VS= 3.06

3

GS= 3.82

6

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 98-24066

JJM

CUSTOMER ORDER NO.

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

11/12/98

11/13/98

C6225459

700 7.62

NATO

ACCESSORIES

FROM:

SHIP TO:

COMMANDER
1ST BN 1ST SFG A UNIT 35123
ATTN PROPERTY BOOK OFFICER
PSC 560 TORII STA. CA 96376

COMMANDER
1ST BN 1ST SFG A UNIT 35123
ATTN PROPERTY BOOK OFFICER
PSC 560 TORII STA. CA
96376

CUST NO:198287 C.O.D

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Barrel

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400061374