

C6225261

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00071771

Serial: C6225261 Model 700 Center Fire Caliber: 7
62 NATO M24 SWS

Repairman:

Verify Repair

Status:

Closed 10/21/2003 11:51:17 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: MATERIAL MOVEMENT SECTION

MATERIAL MOVEMENT SECTION

Address 1: BLDG 9630

BLDG 9630

Address 2: PRESCOTT AVE

PO Box:

PRESCOTT AVE

PO Box:

City: FORT LEWIS

FORT LEWIS

State: WA

Zip Code: 98433

Country: US

State: WA

Zip Code: 98433

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A016	Scope Mounts	2
A017	Scope Base	1

Repair Search

Refresh

Close

naglej

10/21/2003

12:42 PM

CAPS

NUM

INS

SC-L

start

2 Mts

5 Mts

4 Mts

Arms S...

Part S...

ADLE

RE 97

12:42 PM

Serial:
Number: C6225261
Model: 700

RE00071771

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225261.___0
FILE DATE AND TIME: 11/11/2003 11:45

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.030
The Average Y Centroid of the Five Target Set:	0.108
The Average Point of Impact of the Five Target Set:	0.112
The Average Mean Radius of the Five Target Set:	0.631
The Distance from POA to Centroid Target #1:	0.159
The Distance from Centroid Target #2 to Centroid Target #1:	0.269
The Distance from Centroid Target #3 to Centroid Target #1:	0.161
The Distance from Centroid Target #4 to Centroid Target #1:	0.209
The Distance from Centroid Target #5 to Centroid Target #1:	0.033

SERIAL NUMBER: C6225261. __0

TARGET NUMBER: 1

FILE DATE: 11/11/2003

FILE TIME: 11:45

POINT#	X	Y
1:	1.713	0.016
2:	1.091	0.187
3:	0.419	0.081
4:	0.225	-0.042
5:	0.423	-0.288
6:	-0.212	0.270
7:	-0.360	-0.016
8:	-0.677	-0.024
9:	-0.609	0.288
10:	-0.509	0.043

X CENTROID: 0.150

Y CENTROID: 0.052

POA TO CENTROID: 0.159

HORZ SPREAD: 2.390

VERT SPREAD: 0.576

GROUP SPREAD: 2.390

MIN RADIUS: 0.120

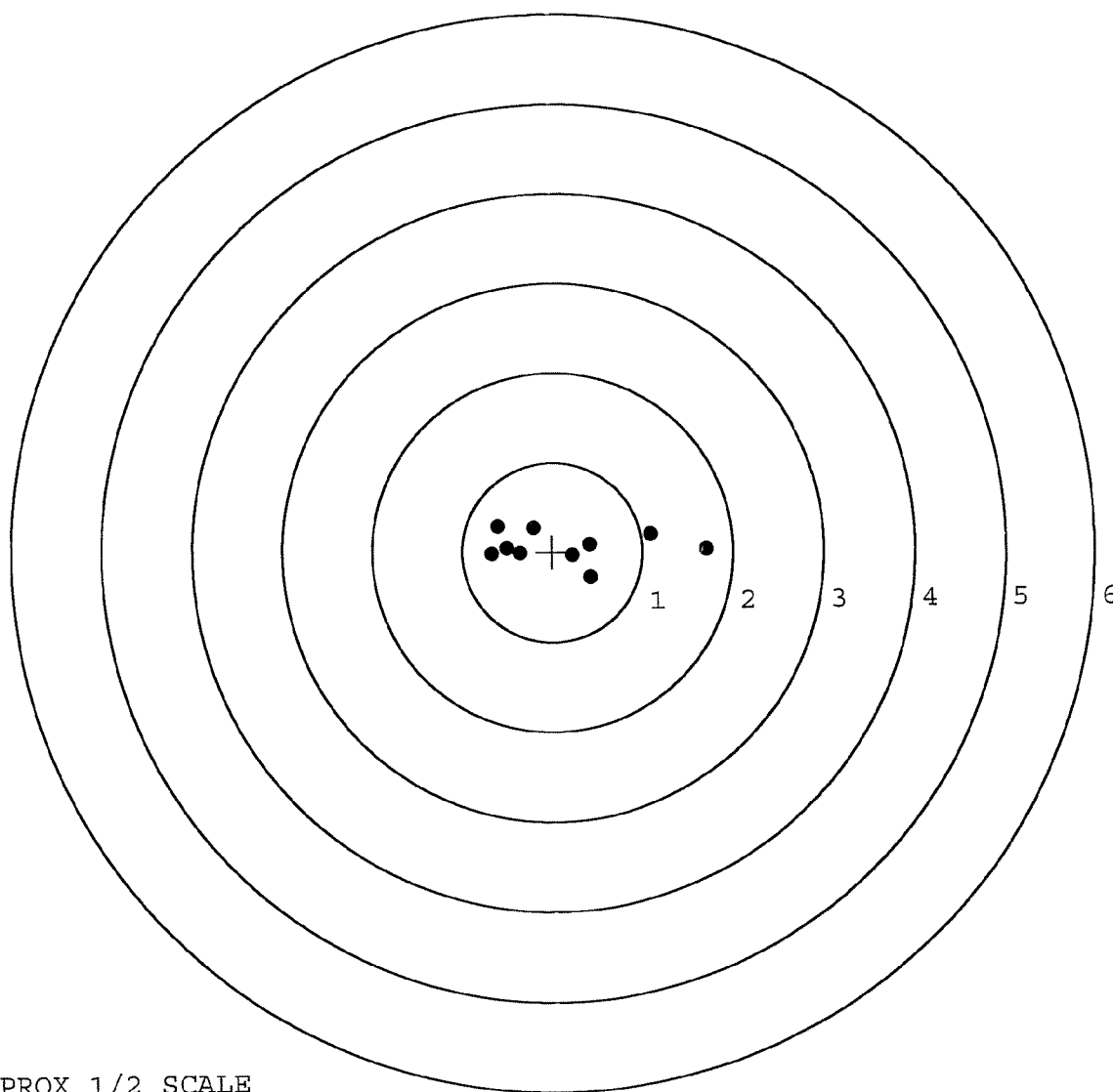
MAX RADIUS: 1.563

MEAN RADIUS: 0.656

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

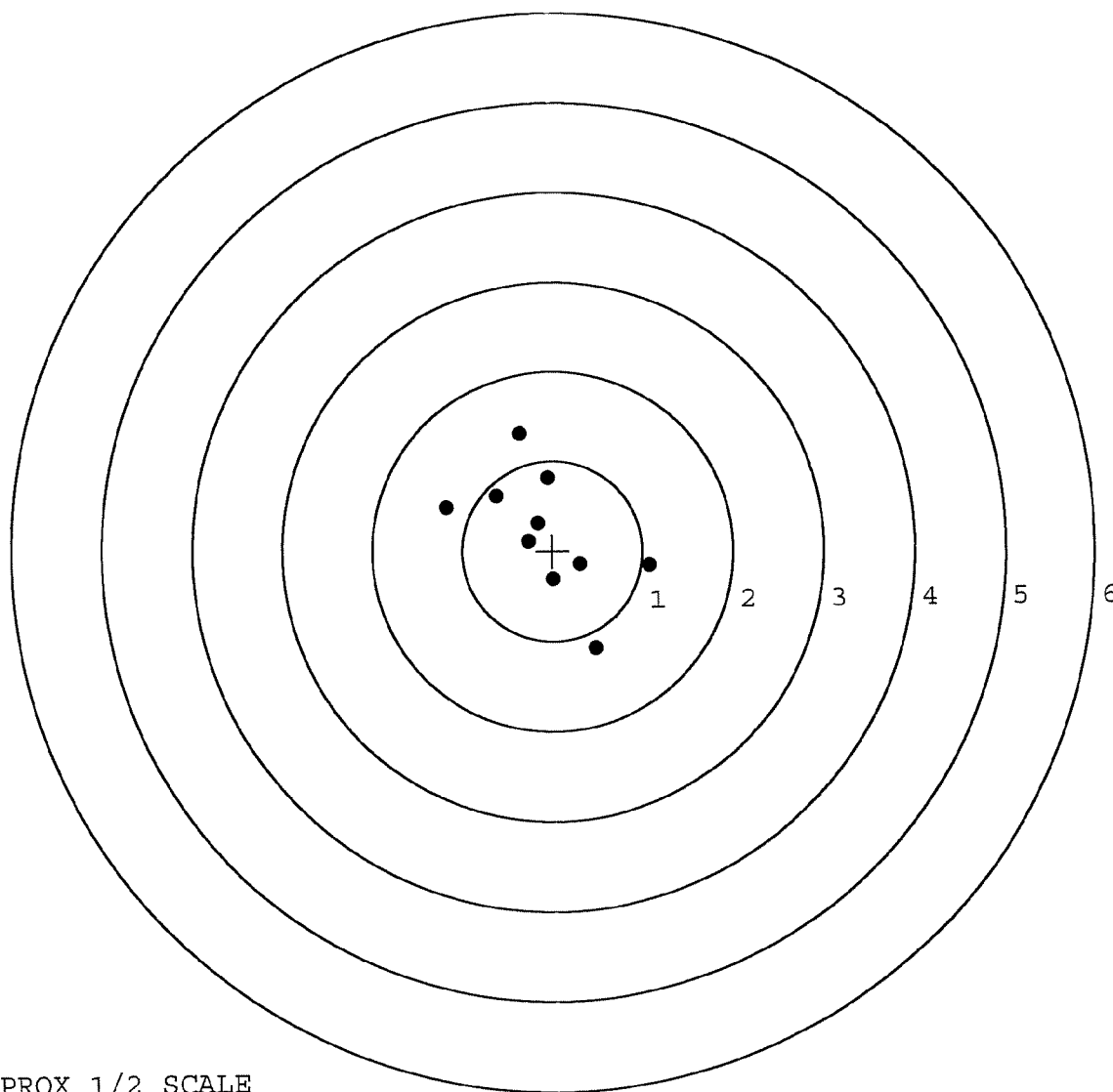


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225261. __0
 TARGET NUMBER: 2
 FILE DATE: 11/11/2003
 FILE TIME: 11:45

POINT#	X	Y
1:	-0.354	1.303
2:	-1.176	0.490
3:	-0.622	0.616
4:	-0.051	0.811
5:	-0.164	0.309
6:	-0.268	0.107
7:	0.301	-0.153
8:	-0.002	-0.317
9:	1.075	-0.169
10:	0.471	-1.084

X CENTROID: -0.079
 Y CENTROID: 0.191
 POA TO CENTROID: 0.207
 HORZ SPREAD: 2.251
 VERT SPREAD: 2.387
 GROUP SPREAD: 2.526
 MIN RADIUS: 0.145
 MAX RADIUS: 1.389
 MEAN RADIUS: 0.757
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225261. __0

TARGET NUMBER: 3

FILE DATE: 11/11/2003

FILE TIME: 11:45

POINT#	X	Y
1:	-0.002	0.677
2:	-0.171	0.518
3:	-0.578	0.544
4:	-0.173	-0.048
5:	-0.648	-0.173
6:	0.064	-0.489
7:	0.537	-0.297
8:	0.681	0.174
9:	0.563	-0.184
10:	-0.196	0.544

X CENTROID: 0.008

Y CENTROID: 0.127

POA TO CENTROID: 0.127

HORZ SPREAD: 1.329

VERT SPREAD: 1.166

GROUP SPREAD: 1.374

MIN RADIUS: 0.251

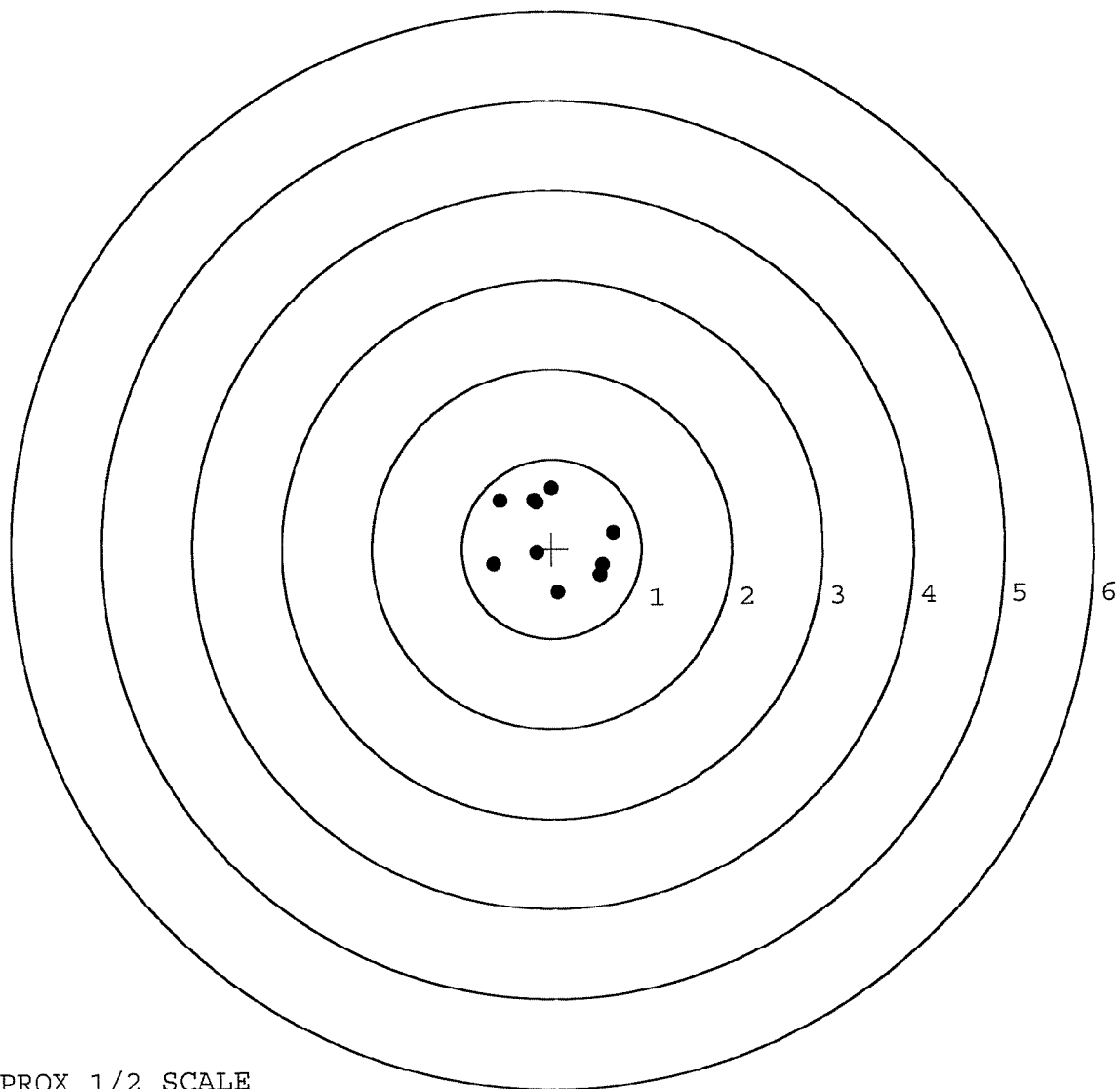
MAX RADIUS: 0.721

MEAN RADIUS: 0.574

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

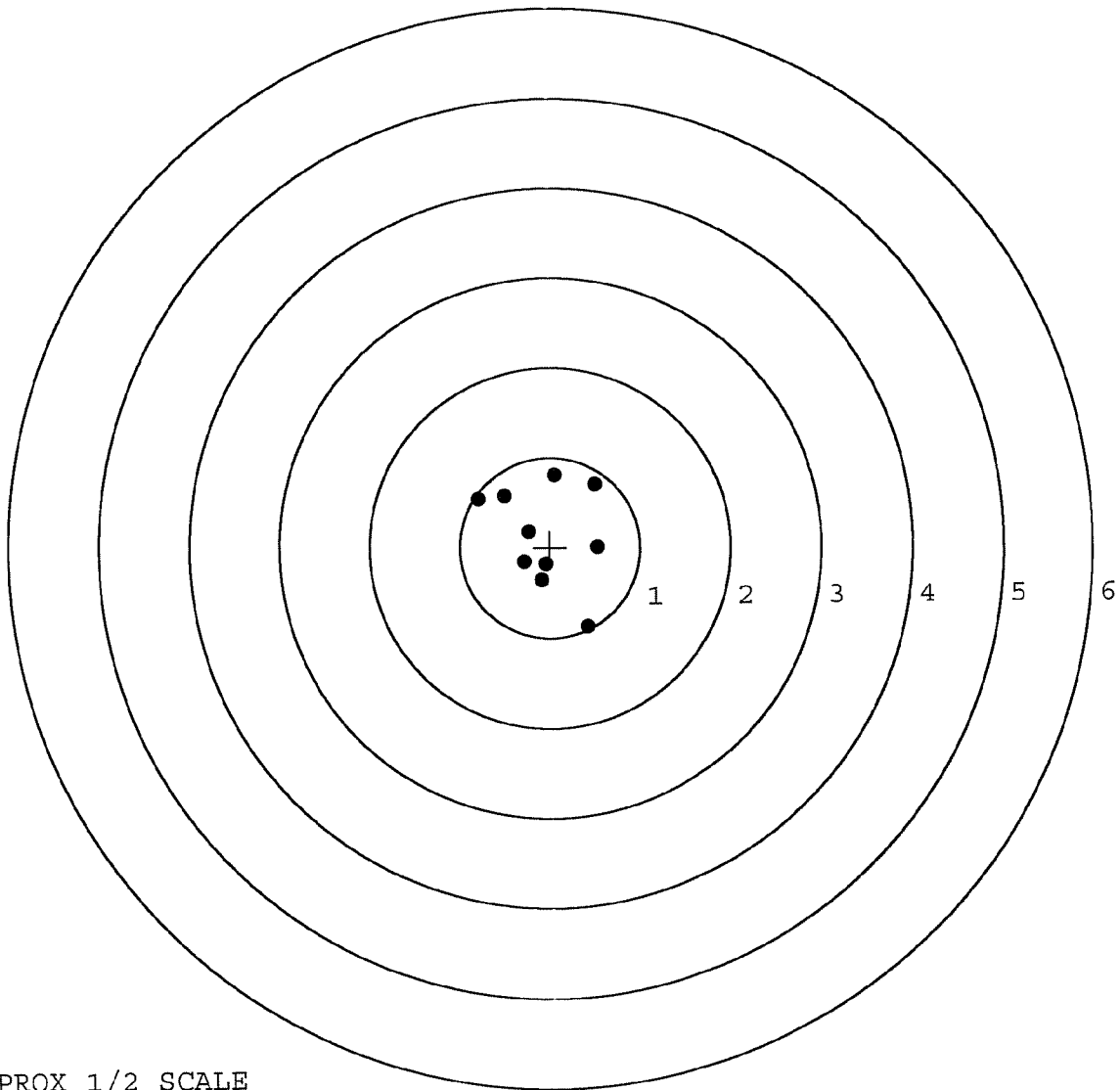


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225261. __0
 TARGET NUMBER: 4
 FILE DATE: 11/11/2003
 FILE TIME: 11:45

POINT#	X	Y
1:	0.055	0.806
2:	0.505	0.699
3:	0.528	0.004
4:	0.414	-0.880
5:	-0.792	0.543
6:	-0.506	0.576
7:	-0.236	0.175
8:	-0.288	-0.160
9:	-0.098	-0.369
10:	-0.051	-0.189

X CENTROID: -0.047
 Y CENTROID: 0.120
 POA TO CENTROID: 0.129
 HORZ SPREAD: 1.320
 VERT SPREAD: 1.686
 GROUP SPREAD: 1.865
 MIN RADIUS: 0.197
 MAX RADIUS: 1.102
 MEAN RADIUS: 0.605
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225261. __0

TARGET NUMBER: 5

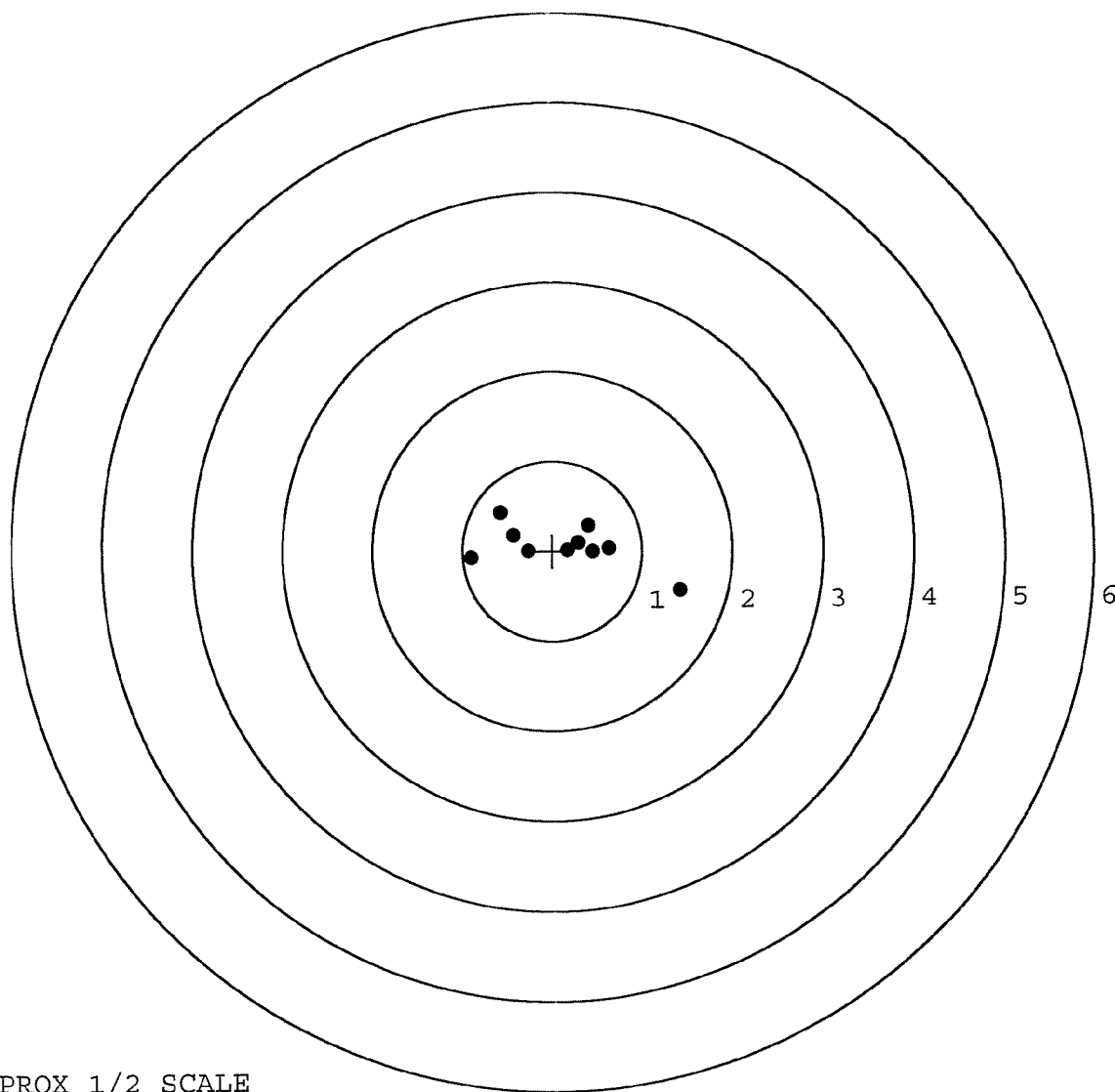
FILE DATE: 11/11/2003

FILE TIME: 11:45

X CENTROID: 0.117
 Y CENTROID: 0.048
 POA TO CENTROID: 0.127
 HORZ SPREAD: 2.320
 VERT SPREAD: 0.879
 GROUP SPREAD: 2.349
 MIN RADIUS: 0.062
 MAX RADIUS: 1.391
 MEAN RADIUS: 0.562

POINT#	X	Y
1:	1.417	-0.449
2:	0.627	0.031
3:	0.447	-0.012
4:	0.404	0.280
5:	0.167	0.011
6:	-0.268	-0.002
7:	-0.435	0.178
8:	-0.575	0.430
9:	-0.903	-0.078
10:	0.292	0.087

IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	71771		
SERIAL NUMBER	C6225261		
LOG-IN DATE	10-21-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-27-03	RTL
560 A	RE-BARREL	10-29-03	RTL
B	DRILL AND TAP	11-4-03	TRW
575	ASSEMBLE	11-3-03	RTL
600	PROOF	11-8-03	AK
605	CHECK HEADSPACE	11-3-03	AK
610	DIS-ASSEMBLE GUN	11-3-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	11-5-03	LB
618	ROTO-BLAST		
620	APPLY COATINGS	11-8	TA
625 A	FINAL ASSEMBLY	11-11-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-11-03	AK
655	FINAL INSPECT	12-15-03	RTL
660	PACK	12/16/03	DA
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

INTERCHANGEABILITY

GUN SERIAL # C 6225261

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 17	89	RW
600	Proof	3 17	89	RW
607	Check Headspace	3 17	89	RW
610	Dis-assemble Gun	3 17	89	RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	HL
617	Drill and Tap Sight Holes	3 22	89	FB
618	Polish Barrel	3 22	89	BT
620	Apply Coatings (Barrel Action)		3-21-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/4/89	RW
	C) Inspect Ejector Hole for Chamfer		4/4/89	RW
	D) Oil Firing Pin Ass'y		4/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4-6-89	SV

op. #	BARBER, M24 0011670 OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	4-6-89	JU		
	G) Safety Off Force	6	6	6	4-6-89	JU		
	H) Trigger Pull Test & Retainability				4-5-89	B.S.		
	I) Firing Pin Indent	.021	.022	.022	4-6-89	JU		
	J) Assemble Stock				4/6/89	RW		
	K) Assemble Swivel Studs				12 April 89	JS		
	L) Attach Front and Rear Sight Assemblies				4/6/89	RW		
	M) Iron Sight Alignment				4/6/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				4/6/89	RW		
	O) Attach Scope to Rifle				4/7/89	JU		
	P) Detach & Attach Scope 20 Times				4/10/89	JU		
640	Gallery Target & Test	48R	110L		4-10-89	AC		
	A) Time				11	AC		
	B) Malfunctions			NONE	11	AC		
	C) Pierced Primers			NONE	11	AC		
	D) Optical Clarity of Scope			OK	11	AC		
645	Inspect for Live Ammo			NONE	4-10-89	AC		
655	Final Inspection							
	A) Headspace				12 April 89	JS		
	B) Trigger Pull	2.39	2.31	2.31	2.53	2.34	5 April 89	JS
	C) Function						12 April 89	JS
660	Pack						27 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6225261DATE 3-29-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.44		2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.48		2.30	
PULL #3	2.40	2.44		2.30	
PULL #4	2.38	2.31		2.33	
PULL #5	2.42	2.37		2.39	
TOTAL	12.00	11.96		11.62	
AVG.	2.4	2.392		2.324	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.32		
PULL #2	3.26	3.25		
PULL #3	3.33	3.32		
PULL #4	3.33	3.35		
PULL #5	3.20	3.32		
TOTAL	16.51	16.66		
AVG.	3.302	3.332		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.36		
PULL #2	4.29	4.31		
PULL #3	4.35	4.29		
PULL #4	4.35	4.39		
PULL #5	4.39	4.31		
TOTAL	21.68	21.66		
AVG.	4.336	4.332		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225261
12 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.216086
1 TO	2	.366652
1 TO	3	.144361
1 TO	4	.66736
1 TO	5	.199529

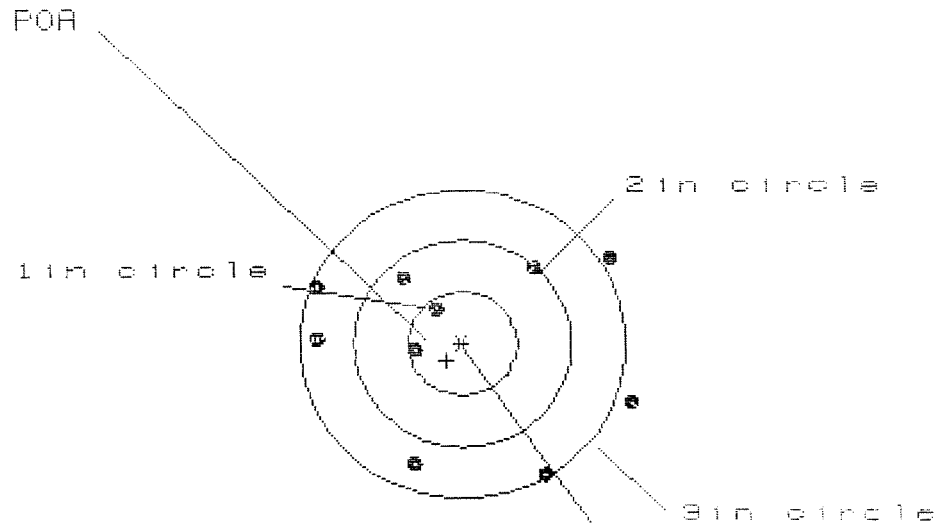
$\frac{2}{\pi} \sigma_2$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2186
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.025
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .220025
THE AMR FOR THIS RIFLE IS: 1.085

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225281

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 8

HS= 2.944

VS= 2.058

GS= 3.123

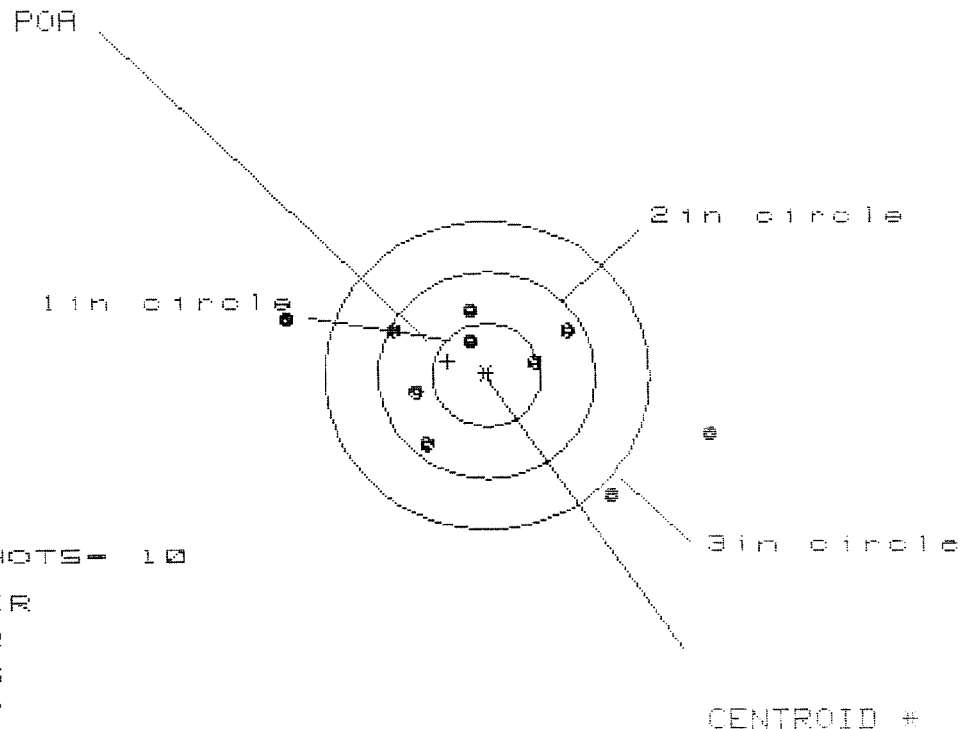
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.587	1.528	1.086
MINIMUM X	:	-1.357	-1.181	-.990
MAXIMUM Y	:	.805	.744	.816
MINIMUM Y	:	-1.253	-1.314	-1.221
CENTROID X	:	.143	-.033	-.224
CENTROID Y	:	.162	.223	.130
POA TO CENTROID in.	:	.216	.225	.259
MIN RADIUS	:	.378	.255	.076
MEAN RADIUS	:	1.142	1.036	.920
MAX RADIUS	:	1.679	1.700	1.634
HORIZONTAL SPREAD	:	2.944	2.709	2.076
VERTICAL SPREAD	:	2.058	2.058	2.037
EXTREME SPREAD	:	3.123	2.820	2.721
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	3		
NUMBER IN THREE INCH CIRCLE =	:	8		

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225261

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS = 3.834

VS = 1.818

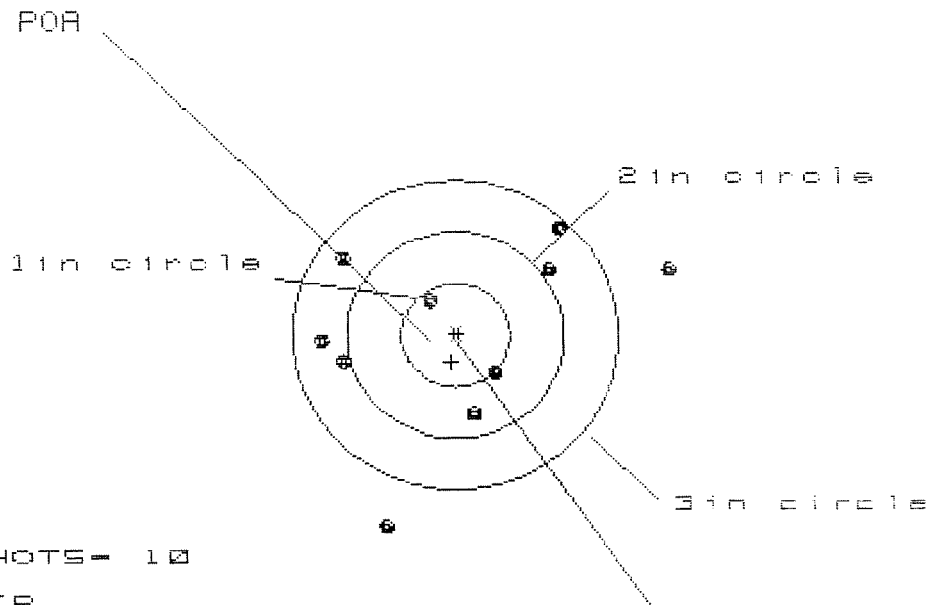
GS = 3.992

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.012	1.330	1.130
MINIMUM X	:	-1.822	-1.599	-0.861
MAXIMUM Y	:	.623	.560	.619
MINIMUM Y	:	-1.195	-1.258	-1.199
CENTROID X	:	.358	.135	.335
CENTROID Y	:	-.135	-.072	-.131
POA TO CENTROID in.	:	.383	.153	.359
MIN RADIUS	:	.384	.325	.374
MEAN RADIUS	:	1.054	.906	.816
MAX RADIUS	:	2.091	1.831	1.648
HORIZONTAL SPREAD	:	3.834	2.929	1.991
VERTICAL SPREAD	:	1.818	1.818	1.818
EXTREME SPREAD	:	3.992	3.404	2.601
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	7		

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225261

CENTERFIRE PATTERNS # 3



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.966	1.214	1.162
MINIMUM X	:	-1.281	-1.063	-1.115
MAXIMUM Y	:	1.000	1.067	.840
MINIMUM Y	:	-1.887	-1.820	-.896
CENTROID X	:	.037	-.181	-.129
CENTROID Y	:	.260	.193	.420
POA TO CENTROID in.	:	.263	.265	.440
MIN RADIUS	:	.478	.457	.253
MEAN RADIUS	:	1.195	1.084	.966
MAX RADIUS	:	2.057	1.867	1.434
HORIZONTAL SPREAD	:	3.247	2.277	2.277
VERTICAL SPREAD	:	2.887	2.887	1.736
EXTREME SPREAD	:	3.601	3.315	2.522
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C82252B1

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS = 2.280

VS = 2.779

GS = 3.133

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.003	1.113	1.071
MINIMUM X	:	-1.277	-1.167	-1.209
MAXIMUM Y	:	1.344	1.184	.431
MINIMUM Y	:	-1.435	-.560	-.412
CENTROID X	:	.506	.396	.438
CENTROID Y	:	-.398	-.238	-.386
POA TO CENTROID in.	:	.644	.462	.584
MIN RADIUS	:	.295	.303	.340
MEAN RADIUS	:	.828	.703	.638
MAX RADIUS	:	1.748	1.249	1.245
HORIZONTAL SPREAD	:	2.280	2.280	2.280
VERTICAL SPREAD	:	2.779	1.744	.843
EXTREME SPREAD	:	3.133	2.280	2.280
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225261

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 3.252

VS = 2.343

GS = 3.517

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.893	1.859	.882
MINIMUM X	:	-1.359	-1.148	-.916
MAXIMUM Y	:	1.259	1.150	1.078
MINIMUM Y	:	-1.084	-1.193	-1.266
CENTROID X	:	.049	-.162	-.394
CENTROID Y	:	-.014	.095	.168
POA TO CENTROID in.	:	.051	.188	.428
MIN RADIUS	:	.437	.527	.498
MEAN RADIUS	:	1.204	1.074	.939
MAX RADIUS	:	2.132	1.948	1.266
HORIZONTAL SPREAD	:	3.252	3.007	1.798
VERTICAL SPREAD	:	2.343	2.343	2.343
EXTREME SPREAD	:	3.517	3.120	2.347
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225261
12 Jun 1989

CENTROIDAL DISTANCES

0 TO	1	.371295
1 TO	2	.398273
1 TO	3	.670394
1 TO	4	.315626
1 TO	5	.18228

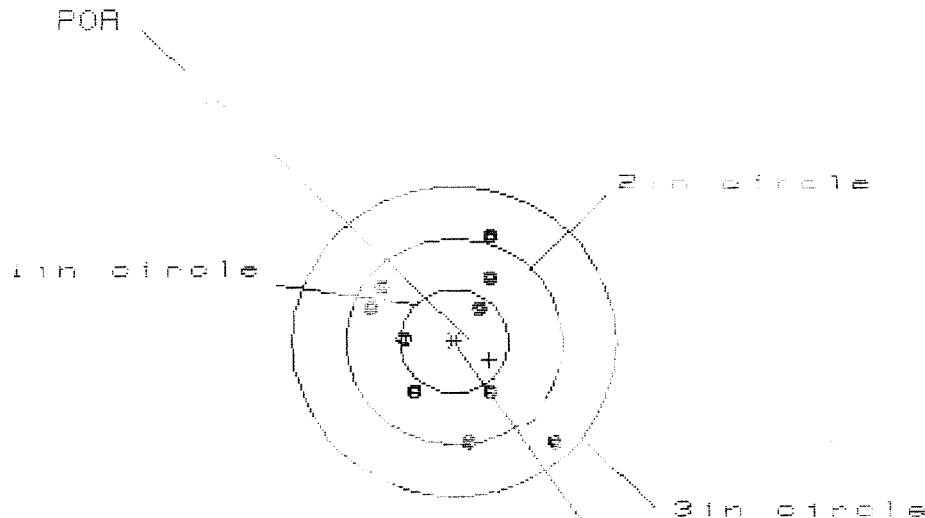
$\frac{51}{24} +$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4828
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0794
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .489285
THE AMR FOR THIS RIFLE IS: .8582

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C82252B1.1

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 1.665

VS = 2.083

GS = 2.230

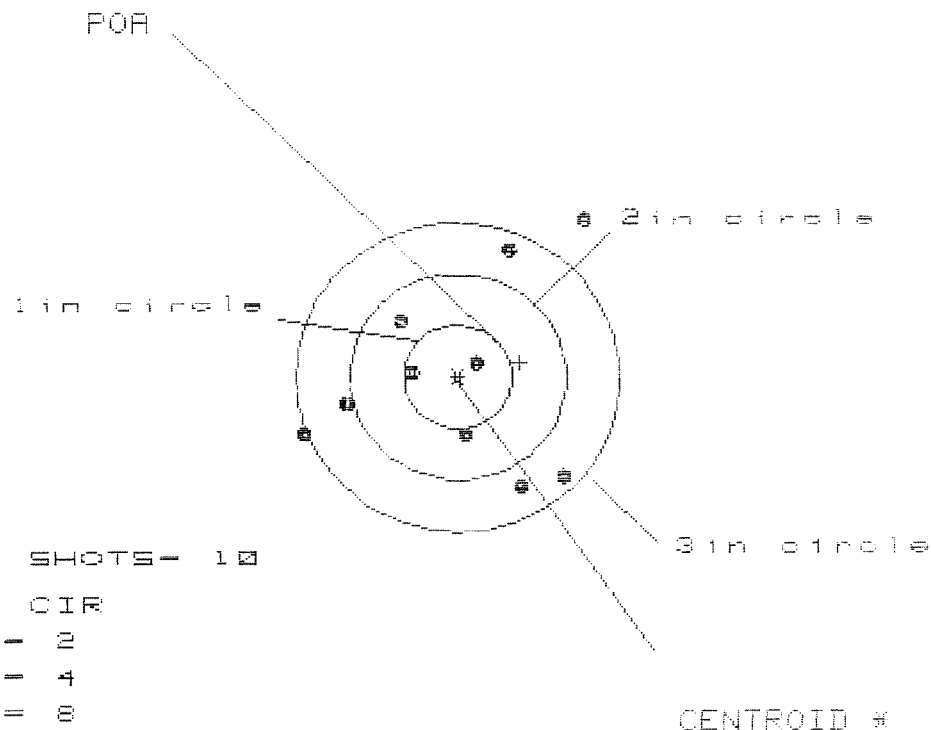
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.908	.472	.495
MINIMUM X	-.757	-.656	-.597
MAXIMUM Y	1.072	.961	.673
MINIMUM Y	-1.011	-1.122	-1.002
CENTROID X	-.328	-.429	-.488
CENTROID Y	.174	.285	.165
POA TO CENTROID in.	.372	.515	.515
MIN RADIUS	.429	.386	.325
MEAN RADIUS	.800	.722	.658
MAX RADIUS	1.349	1.136	1.030
HORIZONTAL SPREAD	1.665	1.128	1.092
VERTICAL SPREAD	2.083	2.083	1.675
EXTREME SPREAD	2.230	2.103	1.745
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225281.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 4

3 in - 8

HS= 2.584

VS= 2.645

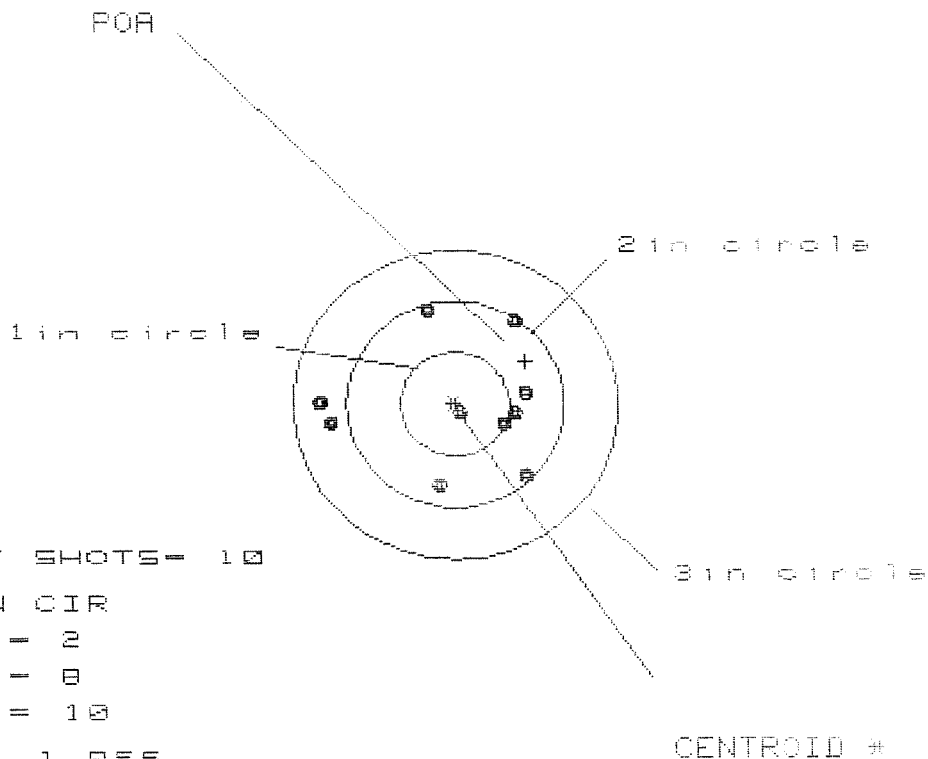
GS= 3.367

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.125	1.061	.893
MINIMUM X	:	-1.469	-1.344	-1.034
MAXIMUM Y	:	1.543	1.397	1.344
MINIMUM Y	:	-1.102	-.931	-.985
CENTROID X	:	-.573	-.698	-.530
CENTROID Y	:	-.140	-.311	-.257
POA TO CENTROID in.	:	.590	.764	.589
MIN RADIUS	:	.198	.309	.274
MEAN RADIUS	:	1.024	.910	.845
MAX RADIUS	:	1.910	1.517	1.408
HORIZONTAL SPREAD	:	2.594	2.405	1.927
VERTICAL SPREAD	:	2.645	2.328	2.328
EXTREME SPREAD	:	3.367	2.661	2.333
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

12 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225261.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS = 1.955

VS = 1.634

GS = 2.094

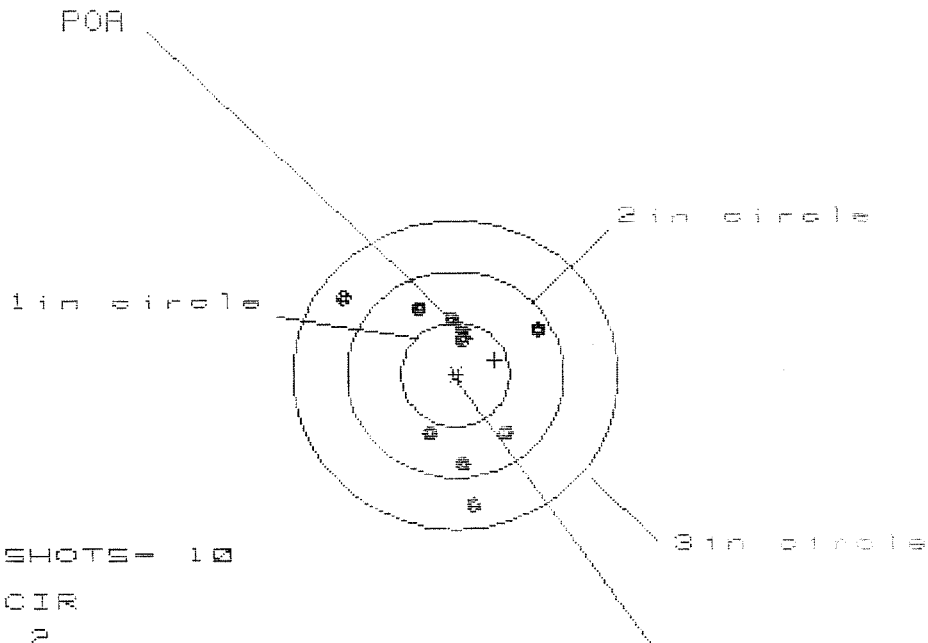
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.659
MINIMUM X	-1.296
MAXIMUM Y	.897
MINIMUM Y	-.737
CENTROID X	-.650
CENTROID Y	-.414
POA TO CENTROID in.	.771
MIN RADIUS	.114
MEAN RADIUS	.786
MAX RADIUS	1.297
HORIZONTAL SPREAD	1.955
VERTICAL SPREAD	1.634
EXTREME SPREAD	2.094
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	10

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225261.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.737

VS= 1.967

GS= 2.311

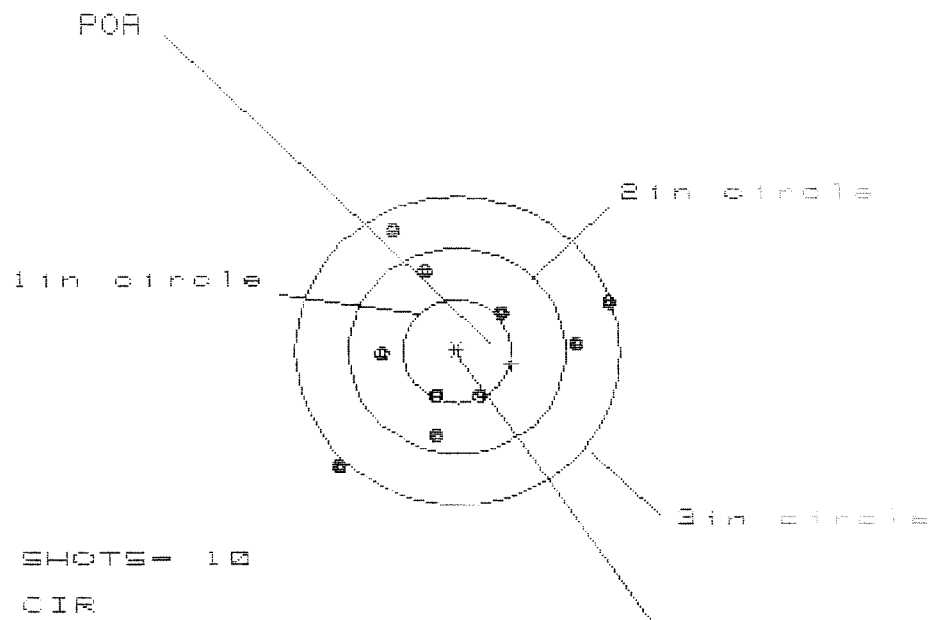
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.725	.613	.624
MINIMUM X	:	-1.012	-.439	-.428
MAXIMUM Y	:	.744	.762	.620
MINIMUM Y	:	-1.223	-1.141	-.928
CENTROID X	:	-.360	-.248	-.259
CENTROID Y	:	-.140	-.222	-.080
POA TO CENTROID in.	:	.386	.333	.271
MIN RADIUS	:	.356	.448	.387
MEAN RADIUS	:	.768	.716	.631
MAX RADIUS	:	1.256	1.144	.928
HORIZONTAL SPREAD	:	1.737	1.052	1.052
VERTICAL SPREAD	:	1.967	1.903	1.548
EXTREME SPREAD	:	2.311	1.975	1.607
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225261.1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 2.469

VS = 2.230

GS = 2.892

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.358	1.235	1.115
MINIMUM X	:	-1.111	-0.803	-0.643
MAXIMUM Y	:	1.153	1.033	1.072
MINIMUM Y	:	-1.077	-0.905	-0.866
CENTROID X	:	-0.503	-0.380	-0.534
CENTROID Y	:	.123	.243	.204
POA TO CENTROID in.	:	.518	.451	.572
MIN RADIUS	:	.466	.348	.495
MEAN RADIUS	:	.913	.842	.775
MAX RADIUS	:	1.547	1.272	1.198
HORIZONTAL SPREAD	:	2.469	2.038	1.764
VERTICAL SPREAD	:	2.230	1.938	1.938
EXTREME SPREAD	:	2.892	2.888	1.977
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

Remington®

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

DU PONT

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

MODEL 700™ M24

SERIAL NO. C6225261

ORDER NO. 5716

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

Ø1



5716 C6225261

UPC



0 47700 25716 7

RECEIVING AND ESTIMATING REPORT

BARBER - M24 0011685

COMMENTS

ORDER

R 96-09644

INITIAL JJM	CUSTOMER ORDER NO.		M-24 SNIPER			
DATE RECEIVED 04/08/96	DATE OPENED 04/08/96	DATE CODE AJ 3-89	SERIAL NUMBER C6225261	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO	
ACCESSORIES W/STUDS		SCOPE BASE				

FROM:

SHIP TO:

COMMANDER
B CO 1ST SPECIAL FORCES
COMMAND 3RD BN - BOX 339502
FT LEWIS WA 98433

COMMANDER
B CO 1ST SPECIAL FORCES
COMMAND 3RD BN - BOX 339502
FT LEWIS WA 98433

CUST NO: 141138 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	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

W 52 H 09 G 116 # 345

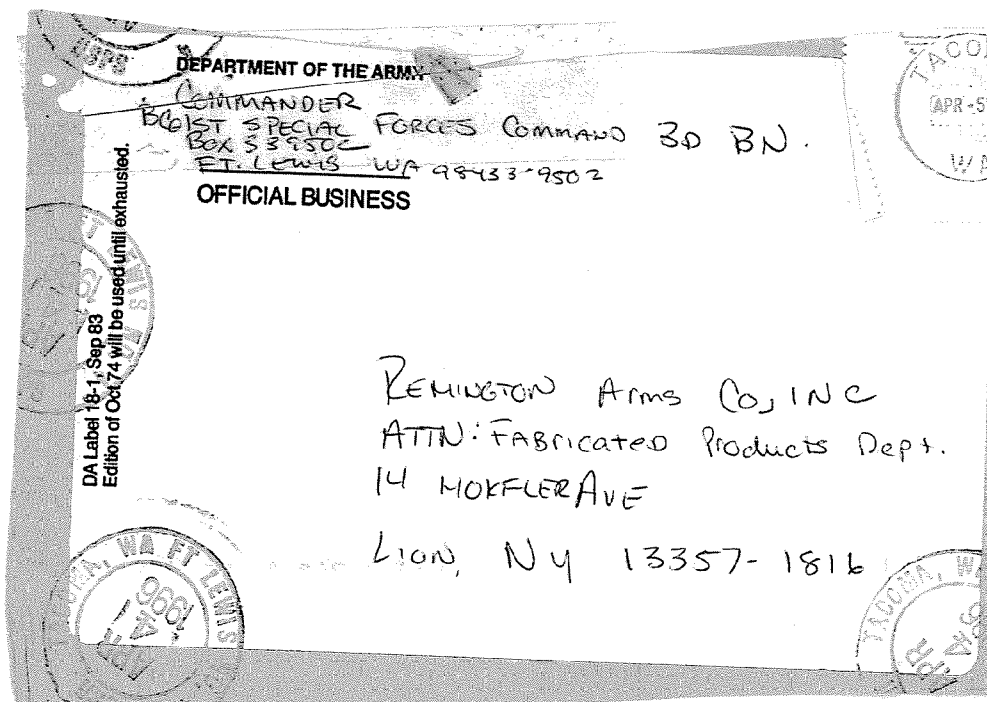
PARTS	COMMENTS						
New Barrel - 96003	Repower Coat, Trigger Guard Assy, Front & Rear Sight Bases, Redline Scope Base & Swivel Studs.						
REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN		
AW	AW		A	A			
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE		
AW	4/15/96	4/22/96	4/22/96	4/22/96			

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0011724



Barrel

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225261

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		4/15/96	RW
600	Proof		4/15/96	RW
607	Check Headspace		4/15/96	RW
610	Dis-assemble Gun		4/15/96	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/22/96	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/22/96	RW
	C) Inspect Ejector Hole for Chamfer		4/22/96	RW
	D) Oil Firing Pin Ass'y		4/22/96	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/22/96	RW

op. #	BARBER - M24 0011689 OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability			
	I) Firing Pin Indent			
	J) Assemble Stock			
	K) Assemble Swivel Studs			
	L) Attach Front and Rear Sight Assemblies			
	M) Iron Sight Alignment			
	N) Detach Front & Rear Sights & place in numbered container			
	O) Attach Scope to Rifle			
	P) Detach & Attach Scope 20 Times			
640	Gallery Target & Test		4/22/96	AT
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clarity of Scope			
645	Inspect for Live Ammo		4/22/96	AT
655	Final Inspection			
	A) Headspace		4/24/96	RW
	B) Trigger Pull		4/24/96	RW
	C) Function		4/24/96	RW
660	Pack			

Final Inspection

Sn: C6225261

DATE REC'D: 4/8/96

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:

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225261
22 Feb 1988

CENTROIDAL DISTANCES

0 TO	1	.604549
1 TO	2	.224864
1 TO	3	1.03257
1 TO	4	.294008
1 TO	5	.576008

$\bar{x} = .5642$
 $\bar{y} = .3238$
+-----POB

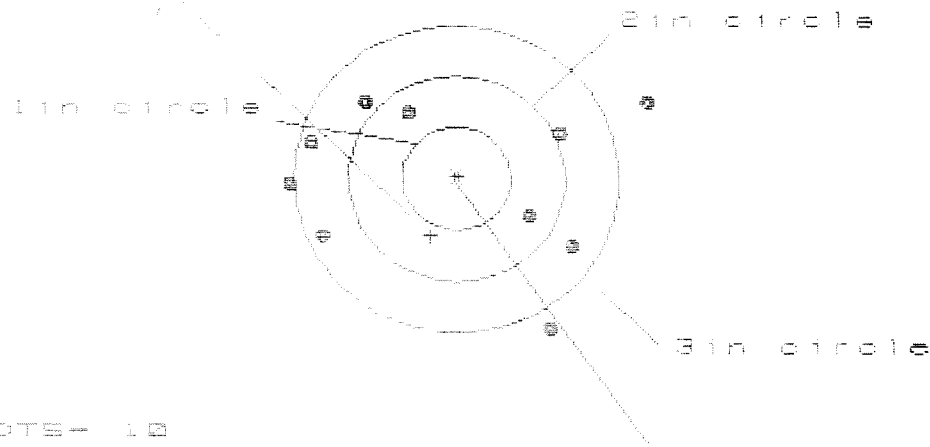
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5642
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3238
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .650514
THE AMR FOR THIS RIFLE IS: 1.114

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225261

CENTERFIRE PATTERNS # 1

FOR



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 2

3 in = 7

HS= 3.366

VS= 2.241

GS= 3.472

CENTROID #

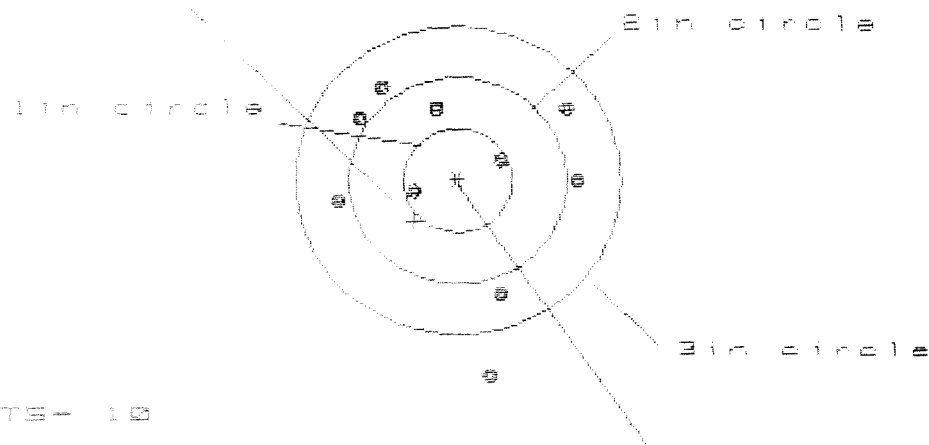
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.785	1.299	1.432
MINIMUM X	-1.581	-1.383	-1.258
MAXIMUM Y	.789	.797	.626
MINIMUM Y	-1.452	-1.364	-1.757
CENTROID X	.242	.044	-.089
CENTROID Y	.554	.466	.636
POR TO CENTROID in.	.604	.468	.643
MIN RADIUS	.774	.703	.588
MEAN RADIUS	1.292	1.298	1.163
MAX RADIUS	1.952	1.717	1.620
HORIZONTAL SPREAD	3.366	2.642	2.682
VERTICAL SPREAD	2.241	1.611	1.384
EXTREME SPREAD	3.472	2.712	2.751
NUMBER IN ONE INCH CIRCLE	= 0		
NUMBER IN TWO INCH CIRCLE	= 2		
NUMBER IN THREE INCH CIRCLE	= 7		

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225261

CENTERFIRE PATTERNS # 2

POB



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 5

HS= 2.294

VS= 2.776

GS= 2.943

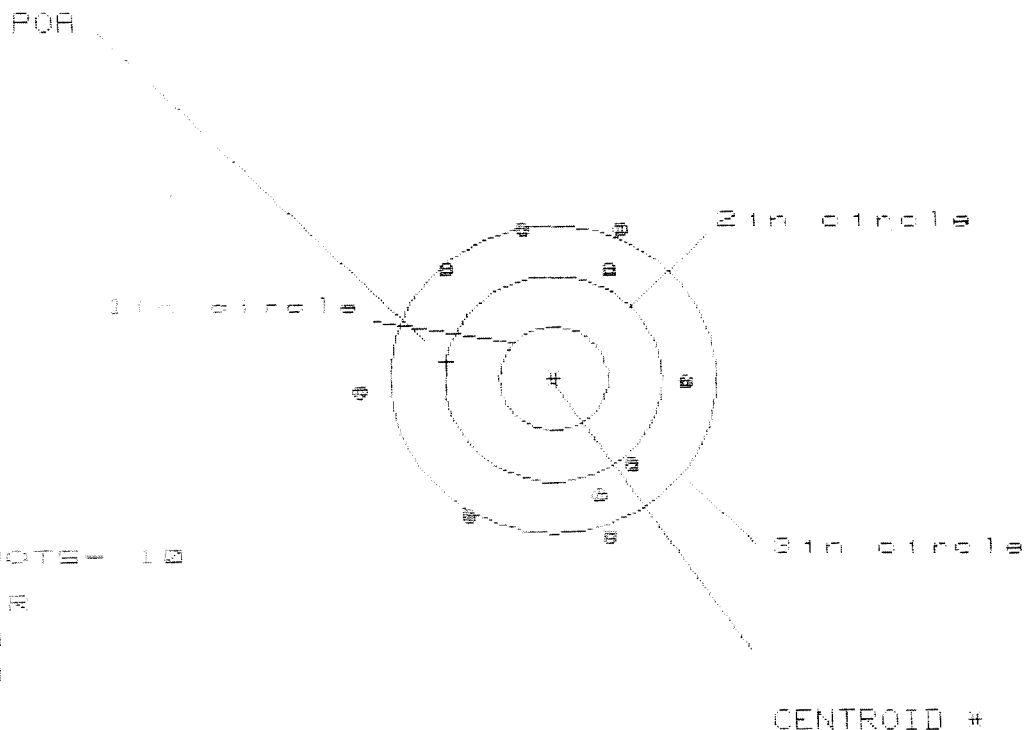
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.147	1.179	1.305
MINIMUM X	-1.147	-1.115	-1.989
MAXIMUM Y	.918	.712	.773
MINIMUM Y	-1.858	-1.252	-1.191
CENTROID X	.402	.370	.244
CENTROID Y	.396	.602	.541
POB TO CENTROID in.	.564	.707	.594
MIN RADIUS	.392	.462	.330
MEAN RADIUS	1.032	.987	.868
MAX RADIUS	1.880	1.335	1.316
HORIZONTAL SPREAD	2.294	1.394	2.294
VERTICAL SPREAD	2.776	1.564	1.964
EXTREME SPREAD	2.943	1.303	2.303
NUMBER IN ONE INCH CIRCLE =	2	3	3
NUMBER IN TWO INCH CIRCLE =	5	6	6
NUMBER IN THREE INCH CIRCLE =	10	9	8

22 Feb 1968

FILE: PATTERNING/CENTERFIRE_PATT/C6225281

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 0

3 in - 5

HS= 2.973

VS= 3.016

CS= 3.111

PATTERN #		3	4	5
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.182	.983	1.018
MINIMUM X	:	-1.791	-1.162	-1.127
MAXIMUM Y	:	1.482	1.462	1.268
MINIMUM Y	:	-1.534	-1.554	-1.563
CENTROID X	:	.986	1.185	1.150
CENTROID Y	:	-.162	-.142	.053
POR TO CENTROID IN.	:	.999	1.193	1.151
MIN RADIUS	:	1.075	.969	.866
MEAN RADIUS	:	1.400	1.328	1.284
MAX RADIUS	:	1.800	1.678	1.822
HORIZONTAL SPREAD	:	2.973	2.145	2.145
VERTICAL SPREAD	:	3.016	2.016	2.830
EXTREME SPREAD	:	3.111	2.016	3.095
NUMBER IN ONE INCH CIRCLE	=			
NUMBER IN TWO INCH CIRCLE	=			
NUMBER IN THREE INCH CIRCLE	=			

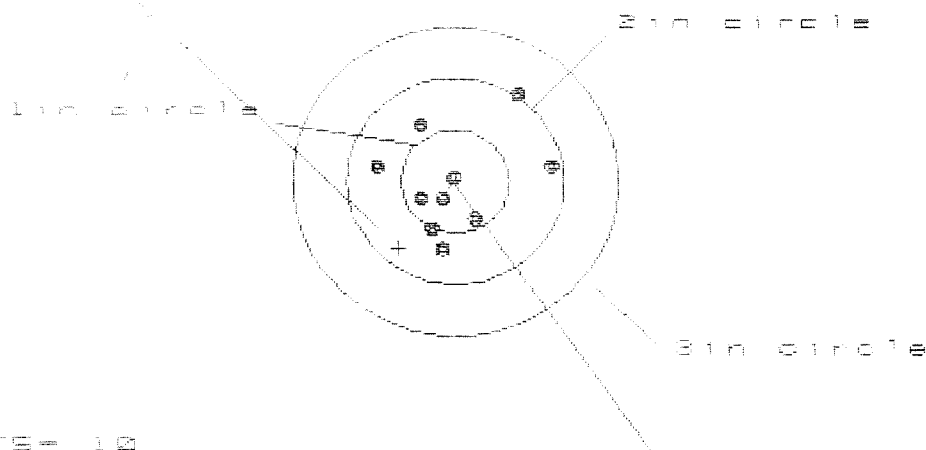
22 Feb 1988

FILE: \PATTERNING\CENTERFIRE_PATT\08225281

CENTERFIRE PATTERNS

4

POB



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 3

3 in = 10

HS = 1.583

VS = 1.524

QS = 1.686

CENTROID #

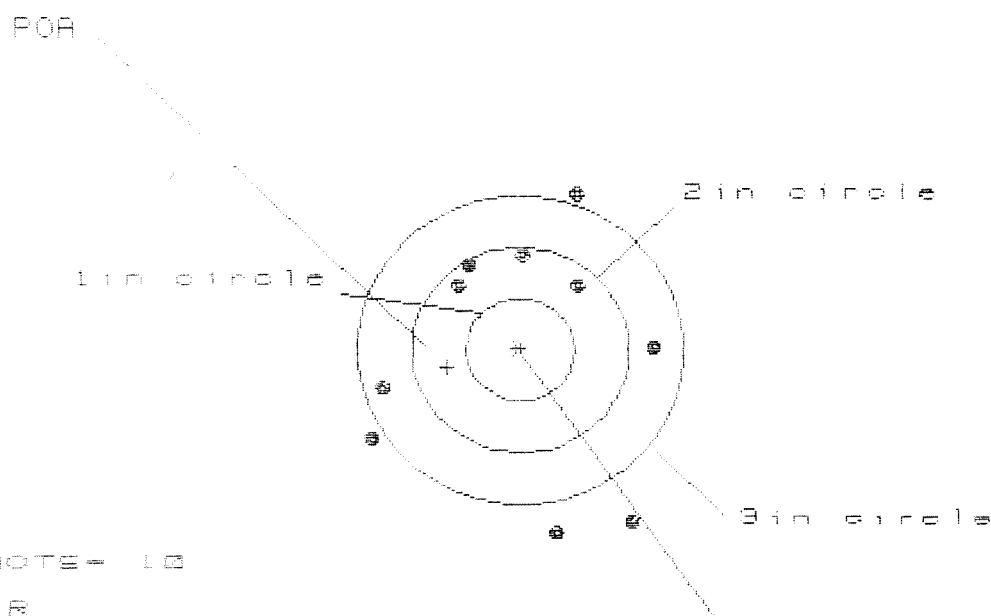
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.893	.962	.335
MINIMUM X	-.690	-.621	-.501
MAXIMUM Y	.885	.600	.634
MINIMUM Y	-.639	-.540	-.506
CENTROID X	.517	.448	.328
CENTROID Y	.658	.559	.525
POB TO CENTROID in.	.837	.717	.619
MIN RADIUS	.046	.095	.107
MEAN RADIUS	.538	.448	.367
MAX RADIUS	1.078	1.001	.640
HORIZONTAL SPREAD	1.583	.583	.836
VERTICAL SPREAD	1.524		1.148
EXTREME SPREAD	1.601		1.153
NUMBER IN ONE INCH CIRCLE	=		
NUMBER IN TWO INCH CIRCLE	=		
NUMBER IN THREE INCH CIRCLE	=		

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225261

CENTERFIRE PATTERNS

5



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

H = 2.840

V = 3.280

G = 3.280

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.182	1.296	1.348
MINIMUM X	-1.358	-1.244	-1.192
MAXIMUM Y	1.542	1.360	1.120
MINIMUM Y	-1.738	-1.920	-1.318
CENTROID X	.674	.560	.508
CENTROID Y	.173	.355	.595
POA TO CENTROID in.	.695	.663	.782
MIN RADIUS	.828	.650	.473
MEAN RADIUS	1.307	1.188	1.022
MAX RADIUS	1.932	1.964	1.777
HORIZONTAL SPREAD	2.540	2.540	2.540
VERTICAL SPREAD	3.280	3.280	2.438
EXTREME SPREAD	3.280	3.280	3.100
NUMBER IN ONE INCH CIRCLE	0	0	0
NUMBER IN TWO INCH CIRCLE	4	4	4
NUMBER IN THREE INCH CIRCLE	6	6	6