

C6225197

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

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: RE00135894

Serial: C6225197 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 10/26/1988

Repairman:

Verify Repair

Status:

Closed 10/26/2007 8:25:51 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: US ARDEC RDECOM

US ARDEC RDECOM

Address 1: ROUTE 15 (973-724-4031)

ROUTE 15 (973-724-4031)

Address 2: BLDG. 34 NORTH

PO Box:

BLDG. 34 NORTH

PO Box:

City: PICATINNY ARSENAL

PICATINNY ARSENAL

State: NJ

Zip Code: 07806

Country: US

State: NJ

Zip Code: 07806

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

10/29/2007

10:58 AM

CAPS

NUM

INS

SCRL

start

4 Mi...

4 Int...

3 Mi...

My Do...

Arms ...

SAP L...

10/58 AM

Serial
Number:

C6225197

Model: M24 SWS



RE00135894

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225197.__0

FILE DATE AND TIME: 12/11/2007 14:07

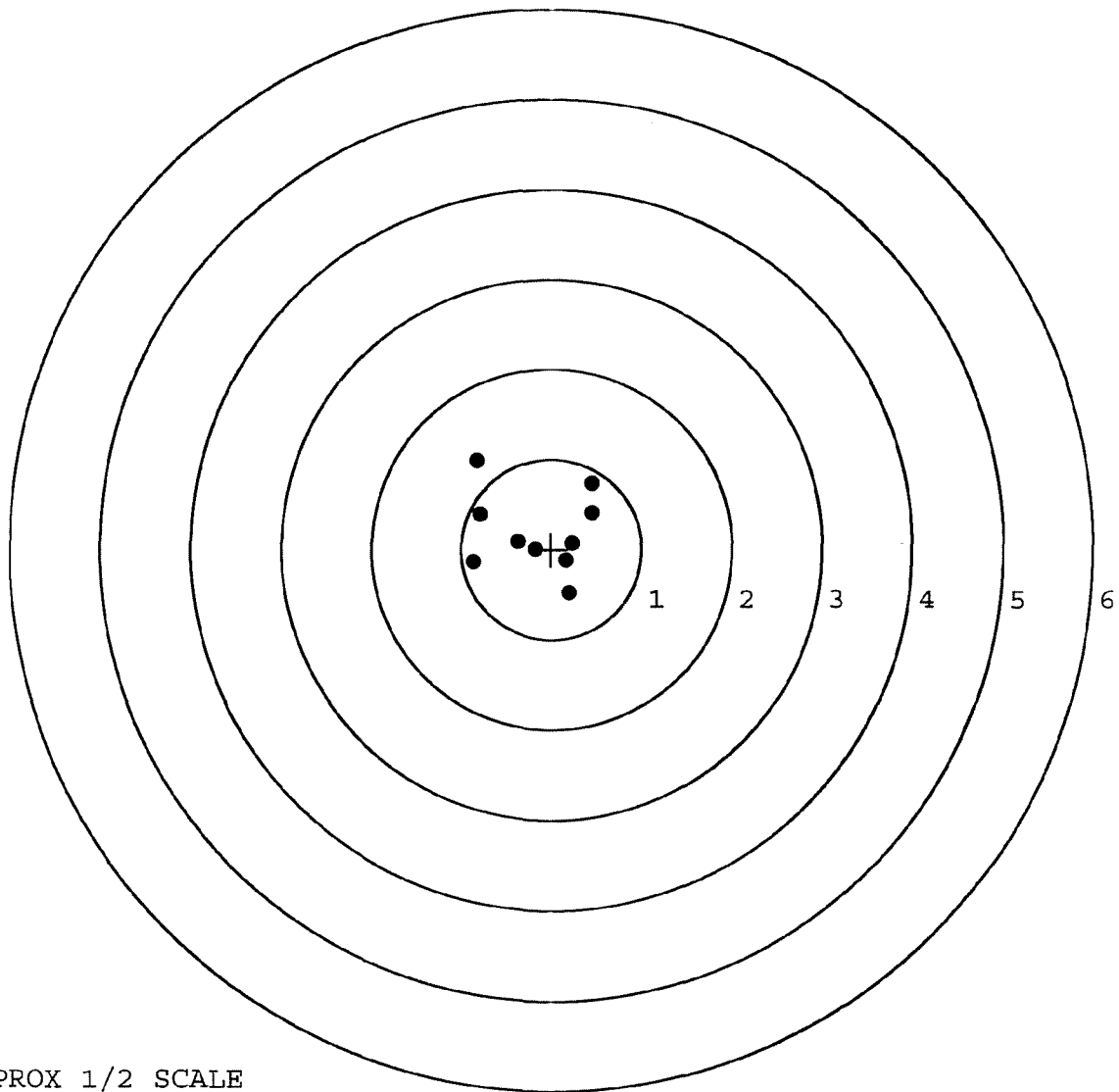
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.011
The Average Y Centroid of the Five Target Set:	0.023
The Average Point of Impact of the Five Target Set:	0.025
The Average Mean Radius of the Five Target Set:	0.588
The Distance from POA to Centroid Target #1:	0.244
The Distance from Centroid Target #2 to Centroid Target #1:	0.373
The Distance from Centroid Target #3 to Centroid Target #1:	0.367
The Distance from Centroid Target #4 to Centroid Target #1:	0.182
The Distance from Centroid Target #5 to Centroid Target #1:	0.254

SERIAL NUMBER: C6225197. 0
TARGET NUMBER: 1
FILE DATE: 12/11/2007
FILE TIME: 14:07

POINT#	X	Y
1:	-0.831	0.975
2:	-0.795	0.385
3:	-0.866	-0.151
4:	-0.378	0.080
5:	-0.176	0.001
6:	0.204	-0.482
7:	0.173	-0.125
8:	0.447	0.734
9:	0.449	0.407
10:	0.234	0.073

X CENTROID: -0.154
Y CENTROID: 0.190
POA TO CENTROID: 0.244
HORZ SPREAD: 1.315
VERT SPREAD: 1.457
GROUP SPREAD: 1.787
MIN RADIUS: 0.190
MAX RADIUS: 1.037
MEAN RADIUS: 0.601
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225197.___0

TARGET NUMBER: 2

FILE DATE: 12/11/2007

FILE TIME: 14:07

POINT#	X	Y
1:	0.264	-0.882
2:	0.784	-0.508
3:	0.565	-0.131
4:	-0.180	-0.535
5:	-0.050	-0.173
6:	-0.296	-0.079
7:	-0.523	0.118
8:	0.246	0.627
9:	0.235	0.354
10:	-0.052	0.369

X CENTROID: 0.099

Y CENTROID: -0.084

POA TO CENTROID: 0.130

HORZ SPREAD: 1.307

VERT SPREAD: 1.509

GROUP SPREAD: 1.509

MIN RADIUS: 0.174

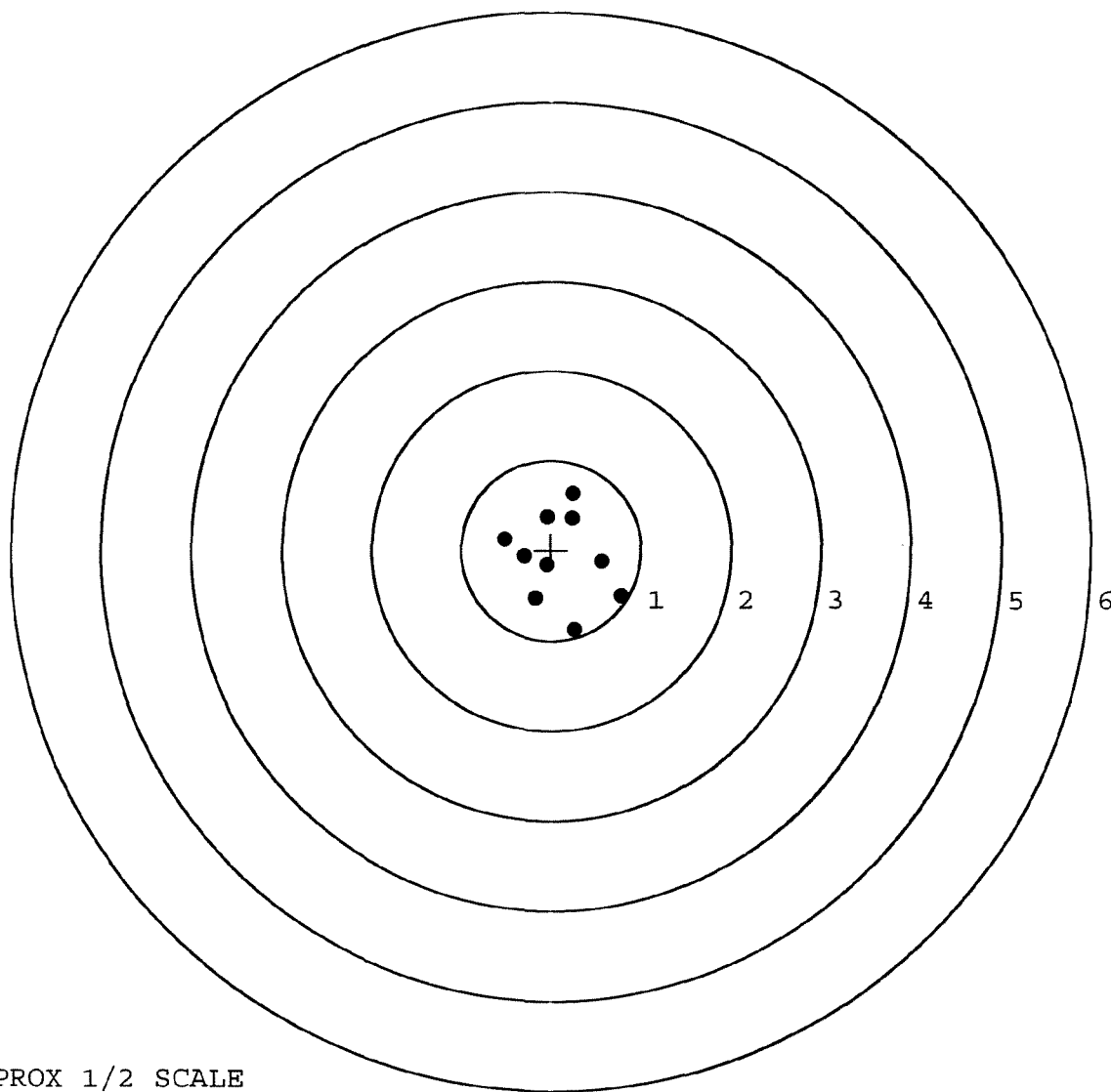
MAX RADIUS: 0.815

MEAN RADIUS: 0.550

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225197. 0

TARGET NUMBER: 3

FILE DATE: 12/11/2007

FILE TIME: 14:07

POINT#	X	Y
1:	0.025	1.039
2:	0.467	0.370
3:	-0.385	0.440
4:	-0.494	0.272
5:	-0.527	0.057
6:	0.001	0.002
7:	-0.114	-1.250
8:	0.698	-0.716
9:	0.724	-0.519
10:	0.506	-0.539

X CENTROID: 0.090

Y CENTROID: -0.084

POA TO CENTROID: 0.123

HORZ SPREAD: 1.251

VERT SPREAD: 2.289

GROUP SPREAD: 2.293

MIN RADIUS: 0.124

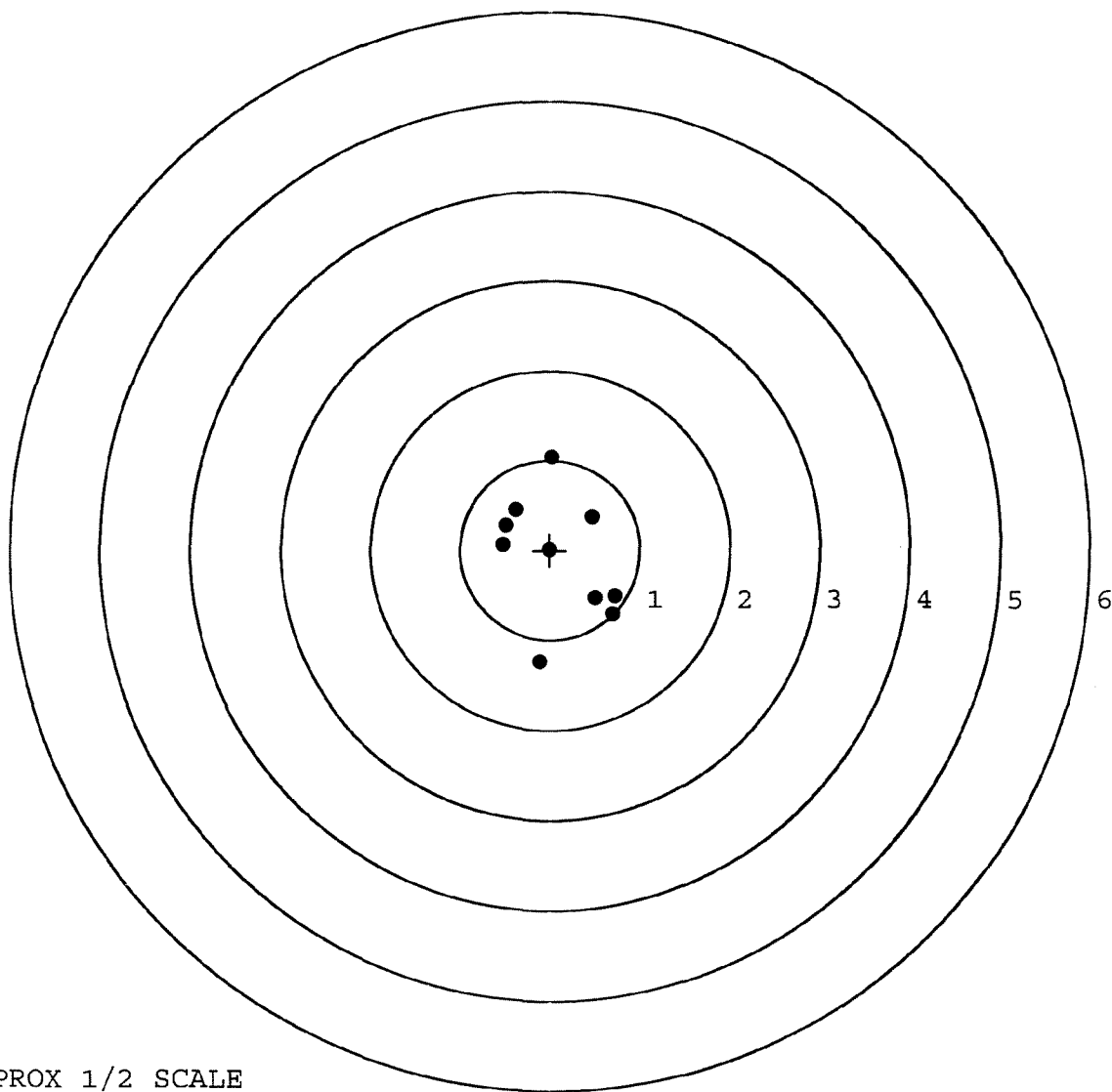
MAX RADIUS: 1.183

MEAN RADIUS: 0.731

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225197.___0

TARGET NUMBER: 4

FILE DATE: 12/11/2007

FILE TIME: 14:07

POINT#	X	Y
1:	0.682	0.820
2:	-0.589	-0.517
3:	0.180	-0.412
4:	0.585	-0.063
5:	0.189	0.032
6:	0.203	0.263
7:	-0.049	0.008
8:	-0.226	0.073
9:	-0.711	0.323
10:	-0.335	0.288

X CENTROID: -0.007

Y CENTROID: 0.081

POA TO CENTROID: 0.082

HORZ SPREAD: 1.393

VERT SPREAD: 1.337

GROUP SPREAD: 1.845

MIN RADIUS: 0.085

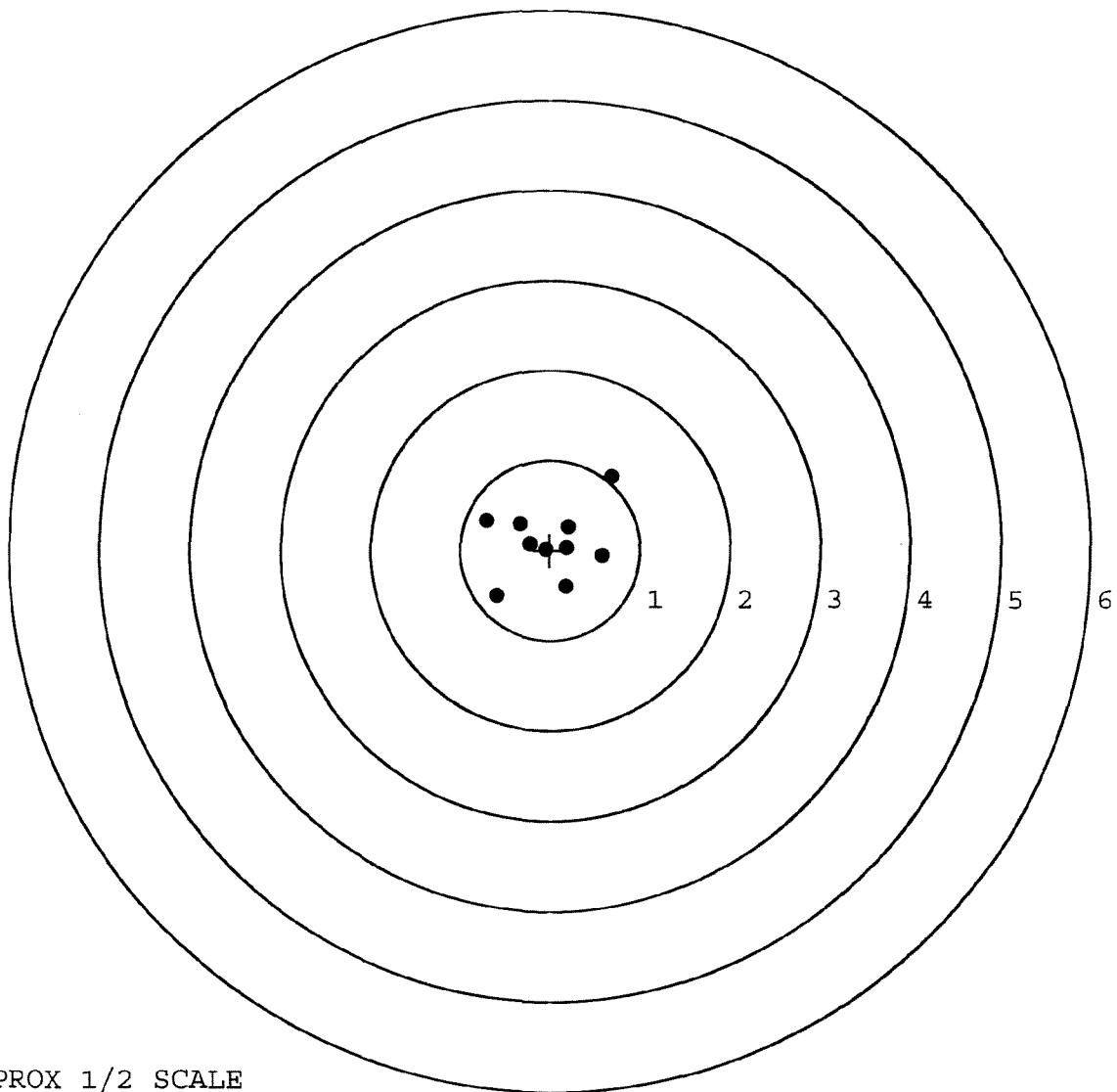
MAX RADIUS: 1.010

MEAN RADIUS: 0.490

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225197. __ 0

TARGET NUMBER: 5

FILE DATE: 12/11/2007

FILE TIME: 14:07

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

1:	0.921	-0.480
----	-------	--------

2:	0.731	0.206
----	-------	-------

3:	0.549	0.054
----	-------	-------

4:	0.036	-0.145
----	-------	--------

5:	-0.364	-0.495
----	--------	--------

6:	-0.512	-0.280
----	--------	--------

7:	-0.354	-0.118
----	--------	--------

8:	-0.001	0.279
----	--------	-------

9:	-0.257	0.322
----	--------	-------

10:	-0.487	0.766
-----	--------	-------

X CENTROID: 0.026

Y CENTROID: 0.011

POA TO CENTROID: 0.028

HORZ SPREAD: 1.433

VERT SPREAD: 1.261

GROUP SPREAD: 1.880

MIN RADIUS: 0.156

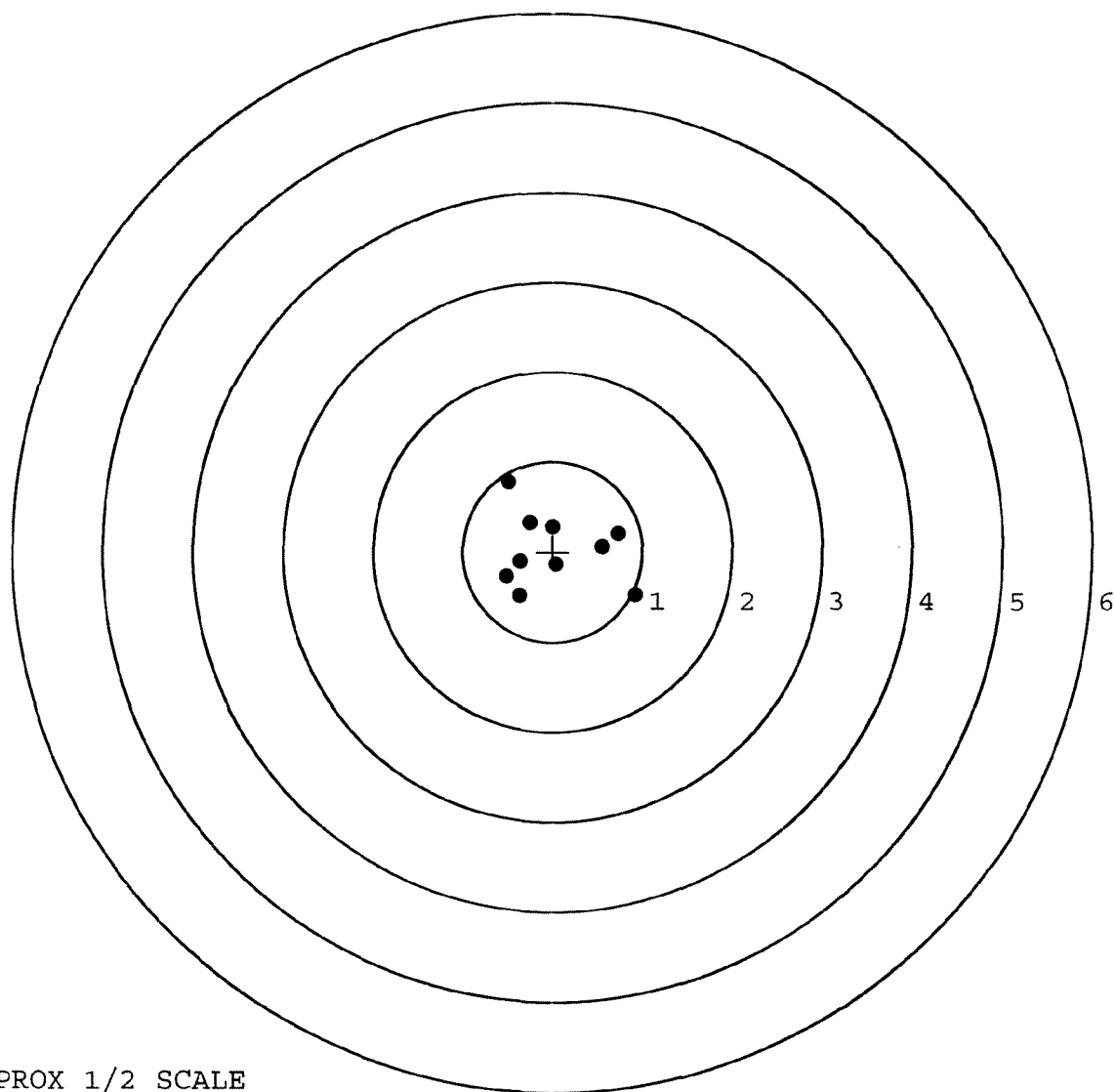
MAX RADIUS: 1.021

MEAN RADIUS: 0.569

IN 1 IN DIAMETER: 4

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

R & E NUMBER		<u>135 894</u>	
SERIAL NUMBER		<u>C 6225197</u>	
LOG-IN DATE		<u>10-26-07</u>	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-14-07	TRW
505	RE-BARREL	11-27-07	TRW
560	ASSEMBLE	11-27-07	TRW
600	PROOF	11-27-07	TRW
605	CHECK HEADSPACE	11-27-07	TRW
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX	12-04-07	TRW
510	DRILL AND TAP	12-3-07	TRW
615	ROLLMARK CALIBER	12-3-07	CW
618	ROTO-BLAST	12-5-07	TRW
620	APPLY COATINGS	12-8-07	CW
625	FINAL ASSEMBLY	12-10-07	TRW
640	FUNCTION TEST AND	<u>PASS</u> FAIL	12-11-07 TRW
650	TARGET	<u>PASS</u> FAIL	12-11-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	12-11-07 FM
670	FINAL INSPECTION		TRW
	A) HEADSPACE	<u>PASS</u> FAIL	12-12-07 TRW
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	288 283 290 287 288 12-12-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	50 45 45 12-12-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	25 24 25 12-12-07 DA
	I) FIRING PIN INDENT	.020	1.021 1.021 1.021 12-12-07 DA
690	PACK		12-23-08 DA

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6225/97

OPERATION		DATE	INT
#	NAME		
575- 580	ASSEMBLY 2	26	FB
600	PROOF	29	RW
615	MAGNAFLUX BARREL	5/13/88	P/K.
	MAGNAFLUX BOLT	5/13/88	P/K.
620	COATING	8/11/88	JA
625- 630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

SCOPE #

1120

M-24

CONTRACT # DAAA21-87-C-0086

New Stock

GUN SERIAL #

C 6225197

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock			
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		9/1/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/1/88	RW
	C) Inspect Ejector Hole for Chamfer		9/1/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		9/1/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		1-8-88	J.C. HRS
	F) Safety on Force	5.25 5.25 6.25	1-8-88	J.C. HRS
	G) Safety off Force	3 3 3	1-8-88	J.C. HRS
	H) Trigger Pull Test & Retainability		1-8-88	J.C. HRS
	I) Firing Pin Indent	.0215 .021 .0215	1-8-88	J.C. HRS
	J) Assemble Stock		9/22/88	RW
	K) Assemble Swivel Studs		10-13-88	JS
	L) Attach Front & Rear Sight Assemblies		9/22/88	RW
	M) Iron Sight Alignment		9/22/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/22/88	RW
	O) Attach Scope to Rifle		10/1/88	RW
	P) Detach & Attach Scope 20 times	65 R 90L	10/3/88	J.C.
640	Gallery Target & Test	RESHOT 10/12/88	10/4/88	JES ^{PC}
	A) Optical Clarity of Scope		10/4/88	J.C.
645	Inspect for Live Ammo		10/4/88	J.C.
655	Final Inspection			
	A) Headspace		10-13-88	JS
	B) Trigger Pull		10-14-88	JS
	C) Function		10-13-88	JS
660	Pack			

000000

5081

MOD. _____ GA. CAL. _____ GUN # 5197

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
J.E.S.	1st	S.M.B.	
	10/4/88		
	2nd		
	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		

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225197

DATE 1 Sept. 88

TESTER J. U. + R. S.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.62	2.41	2.39	2.80	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.58	2.36	2.37	2.55	
PULL #3	2.51	2.35	2.29	2.48	
PULL #4	2.51	2.40	2.38	2.49	
PULL #5	2.49	2.33	2.36	2.48	
TOTAL	12.71	11.85	11.69	12.80	
AVG.	2.542	2.37	2.338	2.56	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.20		
PULL #2	3.28	3.27		
PULL #3	3.23	3.09		
PULL #4	3.10	3.21		
PULL #5	3.10	3.14		
TOTAL	16.01	16.11		
AVG.	3.202	3.222		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.04		4.27
PULL #2	4.25	4.12		4.30
PULL #3	4.25	4.04		4.32
PULL #4	4.18	4.00		4.32
PULL #5	4.26	4.21		4.32
TOTAL	21.19	20.41		21.53
AVG.	4.238	4.082		4.306

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 6225197

CENTROIDAL DISTANCES

0 TO 1 .888774
1 TO 2 .99866
1 TO 3 1.24602
1 TO 4 1.77593
1 TO 5 1.65897

+ <----POA
3 1
2 2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -1.7046
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.9208
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.9374

THE AMR FOR THIS RIFLE IS: .8766

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225197

CENTERFIRE PATTERNS

1

POB

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

IQ = 0.7388

VS = 2.395

GS = 2.732

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8

MAXIMUM X	:	1.659	.626	.692
MINIMUM X	:	-1.073	-.889	-.811
MAXIMUM Y	:	1.100	1.173	1.020
MINIMUM Y	:	-1.295	-1.222	-.865
CENTROID X	:	.498	.314	.236
CENTROID Y	:	-1.409	-1.482	-1.329
POB TO CENTROID in.	:	1.495	1.515	1.350
MIN RADIUS	:	.325	.137	.259
MEAN RADIUS	:	.928	.793	.739
MAX RADIUS	:	1.782	1.373	1.103
HORIZONTAL SPREAD	:	2.732	1.515	1.493
VERTICAL SPREAD	:	2.395	2.395	1.886
EXTREME SPREAD	:	2.732	2.449	2.057
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

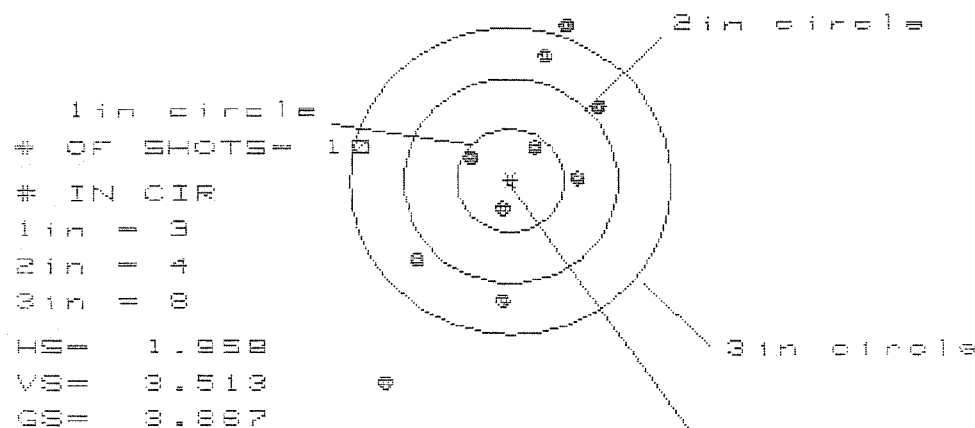
5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225197

CENTERFIRE PATTERNS

2

POA

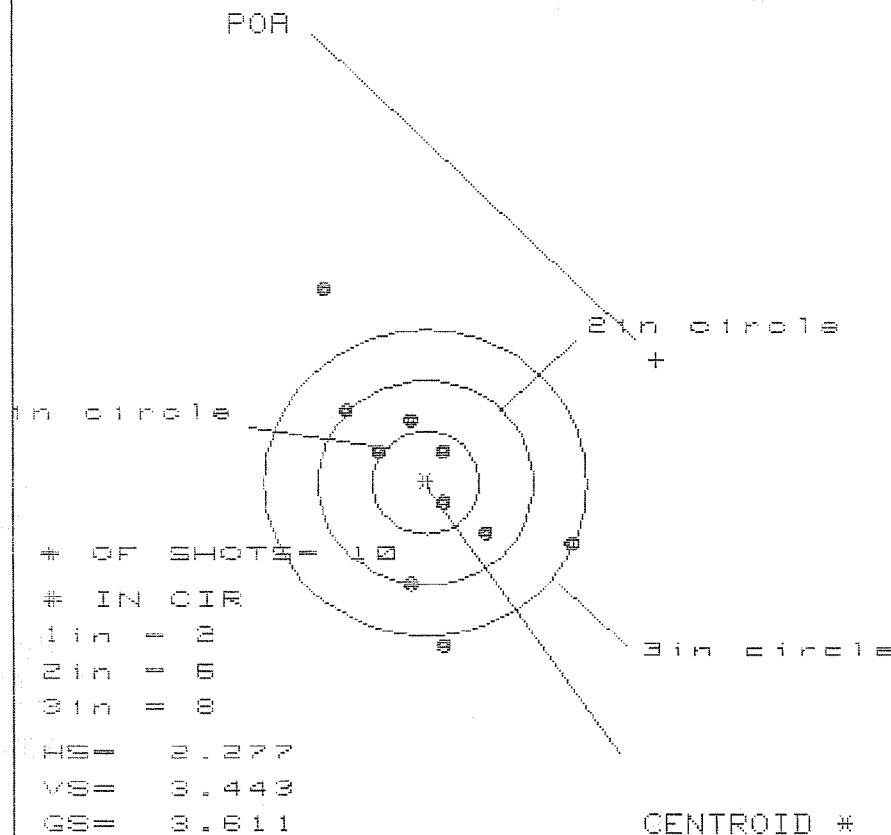


PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.828	.703	.748
MINIMUM X	:	-1.130	-.970	-.925
MAXIMUM Y	:	1.560	1.344	1.185
MINIMUM Y	:	-1.953	-1.375	-1.208
CENTROID X	:	-1.124	-.999	-1.044
CENTROID Y	:	-2.228	-2.012	-2.179
POA TO CENTROID in.	:	2.496	2.246	2.417
MIN RADIUS	:	.227	.129	.299
MEAN RADIUS	:	1.025	.857	.789
MAX RADIUS	:	2.256	1.392	1.243
HORIZONTAL SPREAD	:	1.958	1.673	1.673
VERTICAL SPREAD	:	3.513	2.719	2.393
EXTREME SPREAD	:	3.867	2.779	2.421
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225197

CENTERFIRE PATTERNS # 3

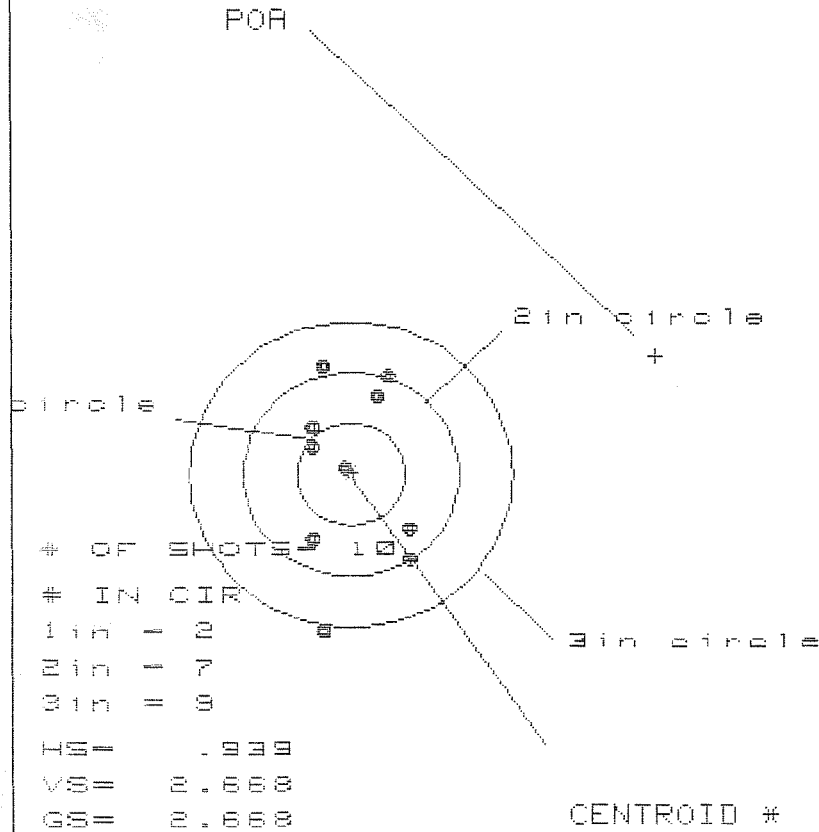


PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.367	1.266	1.276
MINIMUM X	:	-.910	-.839	-.829
MAXIMUM Y	:	1.900	.883	.716
MINIMUM Y	:	-1.543	-1.332	-.946
CENTROID X	:	-2.155	-2.054	-2.064
CENTROID Y	:	-1.209	-1.420	-1.253
POA TO CENTROID in.	:	2.471	2.497	2.414
MIN RADIUS	:	.235	.100	.138
MEAN RADIUS	:	.952	.816	.728
MAX RADIUS	:	2.106	1.334	1.370
HORIZONTAL SPREAD	:	2.277	2.105	2.105
VERTICAL SPREAD	:	3.443	2.215	1.662
EXTREME SPREAD	:	3.611	2.430	2.430
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225197

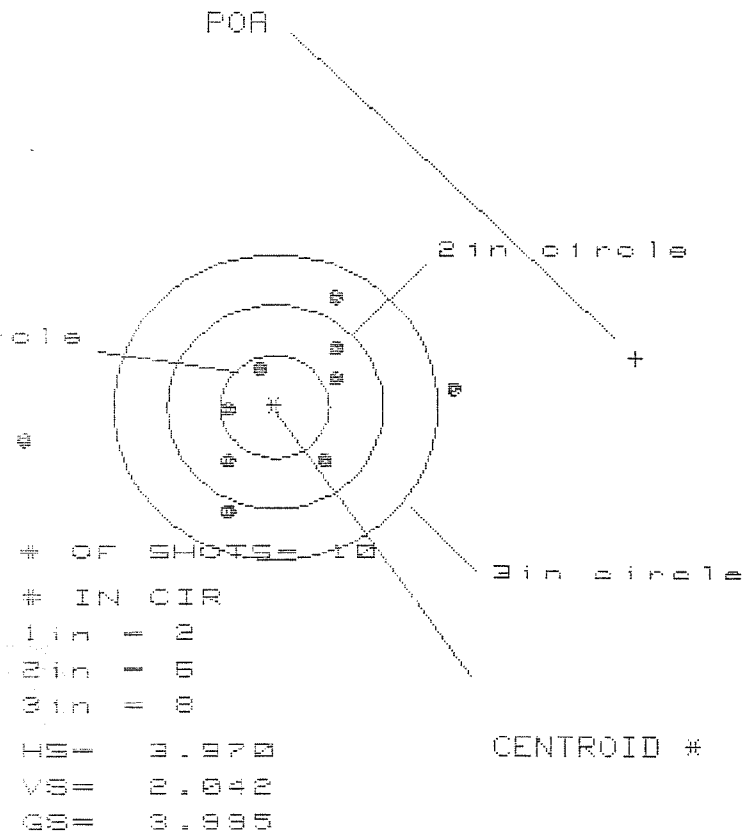
CENTERFIRE PATTERNS # 4



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.552	.520	.478
MINIMUM X	:	-.387	-.419	-.461
MAXIMUM Y	:	1.091	.915	.866
MINIMUM Y	:	-1.577	-1.016	-.901
CENTROID X	:	-2.839	-2.807	-2.765
CENTROID Y	:	-1.166	-.990	-1.105
POA TO CENTROID in.	:	3.069	2.977	2.977
MIN RADIUS	:	.053	.140	.099
MEAN RADIUS	:	.804	.699	.666
MAX RADIUS	:	1.603	1.141	1.020
HORIZONTAL SPREAD	:	.939	.939	.939
VERTICAL SPREAD	:	2.668	1.931	1.767
EXTREME SPREAD	:	2.668	2.115	1.778
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

CENTERFIRE PATTERNS

5



PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.633	1.373	.488
MINIMUM X	-2.337	-.746	-.574
MAXIMUM Y	1.051	1.016	1.028
MINIMUM Y	-.991	-1.026	-1.014
CENTROID X	-3.361	-3.101	-3.273
CENTROID Y	-.478	-.443	-.455
POA TO CENTROID in.	3.395	3.133	3.305
MIN RADIUS	.348	.356	.365
MEAN RADIUS	.987	.816	.732
MAX RADIUS	2.358	1.377	1.165
HORIZONTAL SPREAD	3.970	2.119	1.062
VERTICAL SPREAD	2.042	2.042	2.042
EXTREME SPREAD	3.995	2.397	2.302
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225197

CENTROIDAL DISTANCES

0 TO	1	1.49442	
1 TO	2	1.81704	
1 TO	3	2.66053	/
1 TO	4	3.34584	/
1 TO	5	3.96972	/

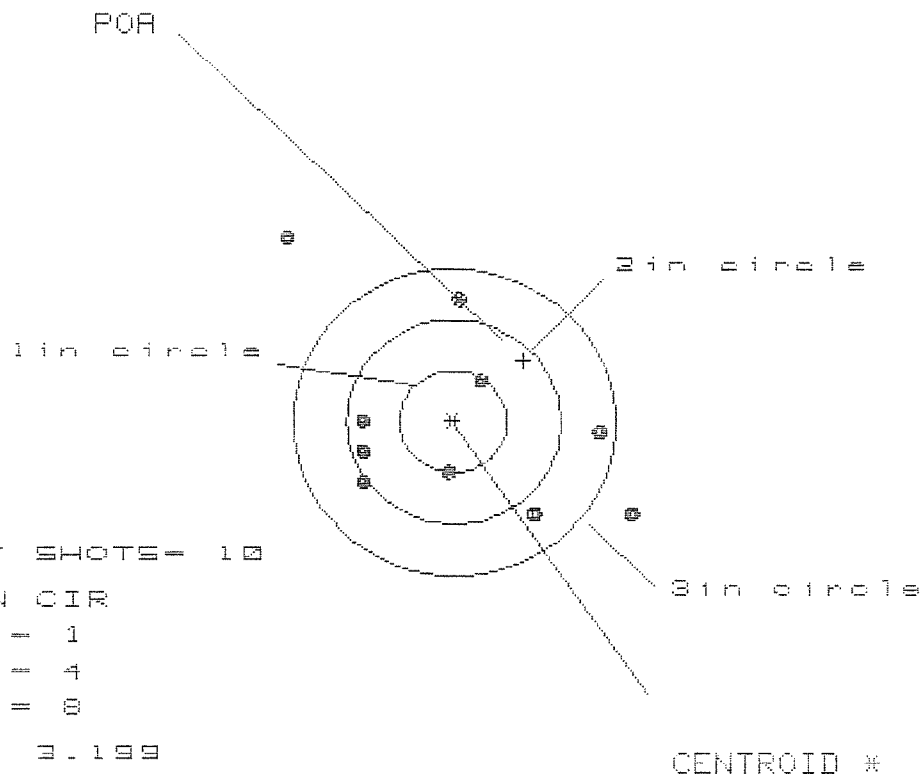
5 + <----POA
4 3 1
 2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -1.7362
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -1.298
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 2.21611
THE AMR FOR THIS RIFLE IS: .9392

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/B225197

CENTERFIRE PATTERNS # 1

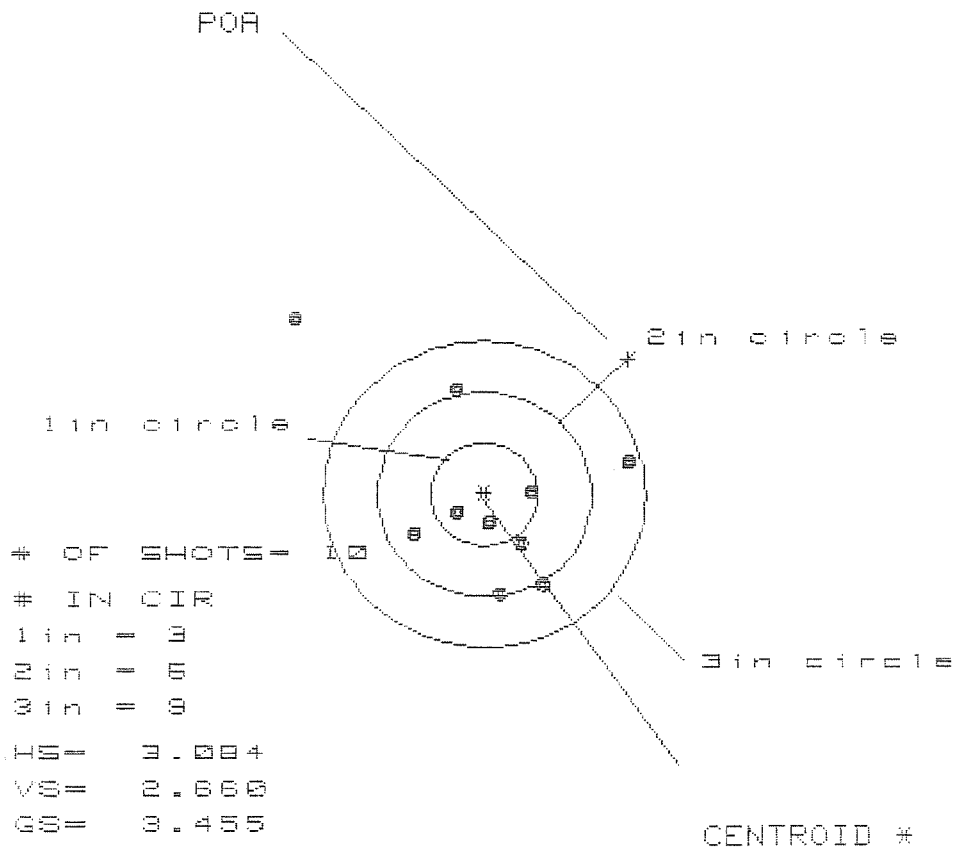


PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.629	1.455	1.404
MINIMUM X	:	-1.570	-1.029	-.847
MAXIMUM Y	:	1.848	1.370	1.278
MINIMUM Y	:	-.942	-.736	-.819
CENTROID X	:	-.652	-.478	-.660
CENTROID Y	:	-.604	-.810	-.718
POA TO CENTROID in.	:	.889	.940	.975
MIN RADIUS	:	.439	.375	.420
MEAN RADIUS	:	1.178	1.026	.925
MAX RADIUS	:	2.425	1.631	1.404
HORIZONTAL SPREAD	:	3.199	2.484	2.251
VERTICAL SPREAD	:	2.790	2.106	2.097
EXTREME SPREAD	:	4.245	2.665	2.282
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			8	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/B225197

CENTERFIRE PATTERNS # 2



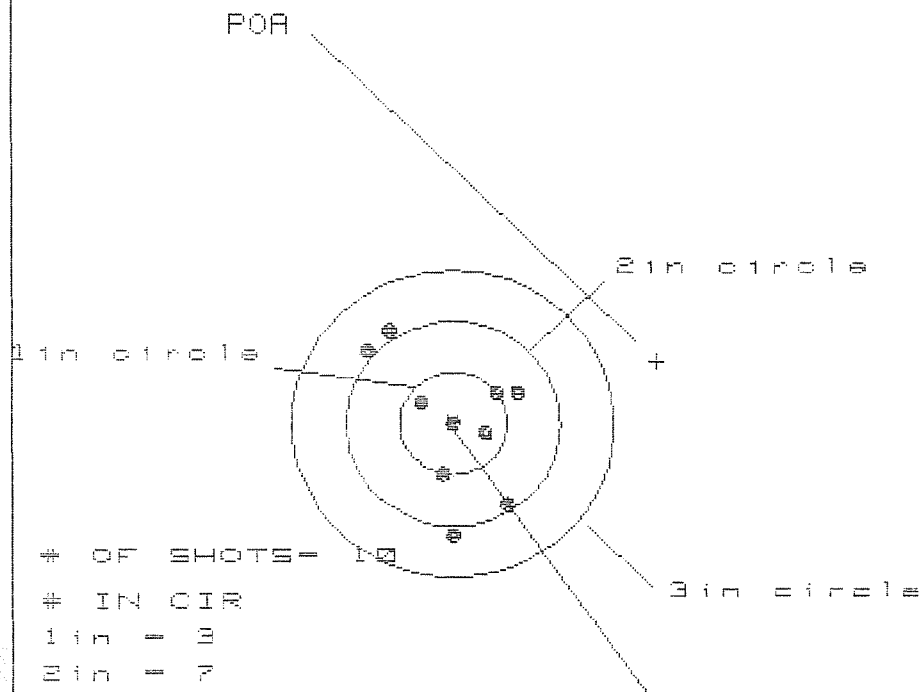
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.339	1.145	.526
MINIMUM X	:	-1.746	-.883	-.740
MAXIMUM Y	:	1.695	1.200	1.260
MINIMUM Y	:	-.965	-.777	-.717
CENTROID X	:	-1.343	-1.149	-1.292
CENTROID Y	:	-1.325	-1.513	-1.573
POA TO CENTROID in.	:	1.886	1.980	2.035
MIN RADIUS	:	.275	.133	.036
MEAN RADIUS	:	.930	.698	.608
MAX RADIUS	:	2.433	1.300	1.309
HORIZONTAL SPREAD	:	3.084	2.028	1.266
VERTICAL SPREAD	:	2.660	1.977	1.977
EXTREME SPREAD	:	3.455	2.121	2.072
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/8225137

CENTERFIRE PATTERNS

3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 1.360

VS = 2.047

GS = 2.145

PATTERN # : 3

SHOTS (BEST OF) : 10

MAXIMUM X : .562

MINIMUM X : -.798

MAXIMUM Y : .959

MINIMUM Y : -1.088

CENTROID X : -1.898

CENTROID Y : -.611

POA TO CENTROID in. : 1.994

MIN RADIUS : .031

MEAN RADIUS : .660

MAX RADIUS : 1.131

HORIZONTAL SPREAD : 1.360

VERTICAL SPREAD : 2.047

EXTREME SPREAD : 2.145

NUMBER IN ONE INCH CIRCLE = 3

NUMBER IN TWO INCH CIRCLE = 7

NUMBER IN THREE INCH CIRCLE = 10

9

8

.496

-.492

-.864

-.868

.816

.693

-.981

-.850

-1.832

-1.828

-.718

-.595

1.967

1.923

.156

.091

.609

.545

1.188

1.110

1.360

1.360

1.797

1.543

1.991

1.991

3

7

10

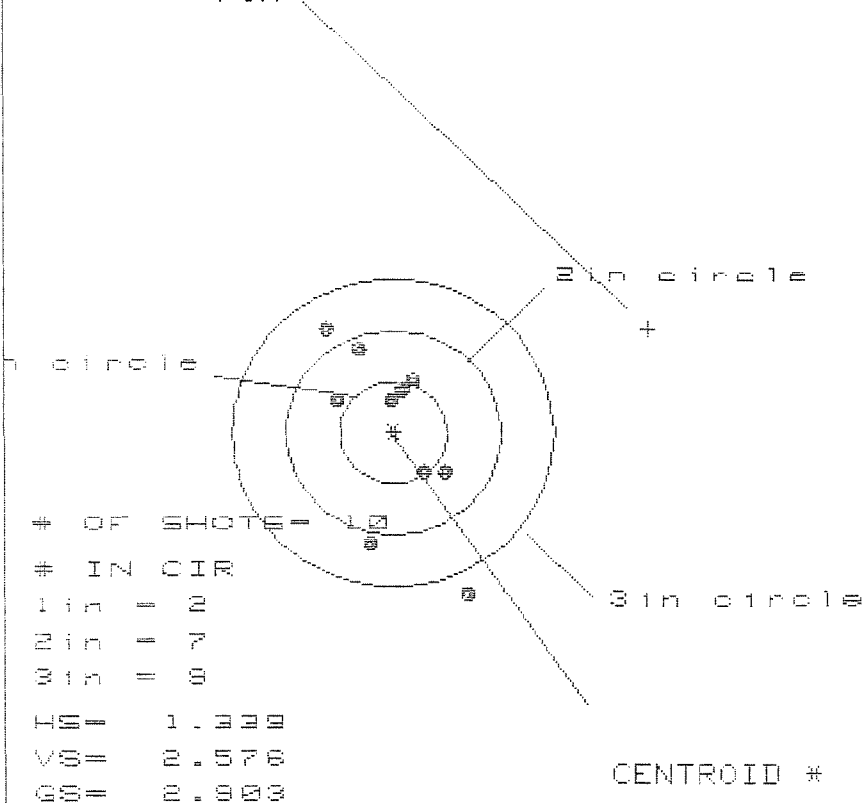
11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/8225197

CENTERFIRE PATTERNS

4

POA



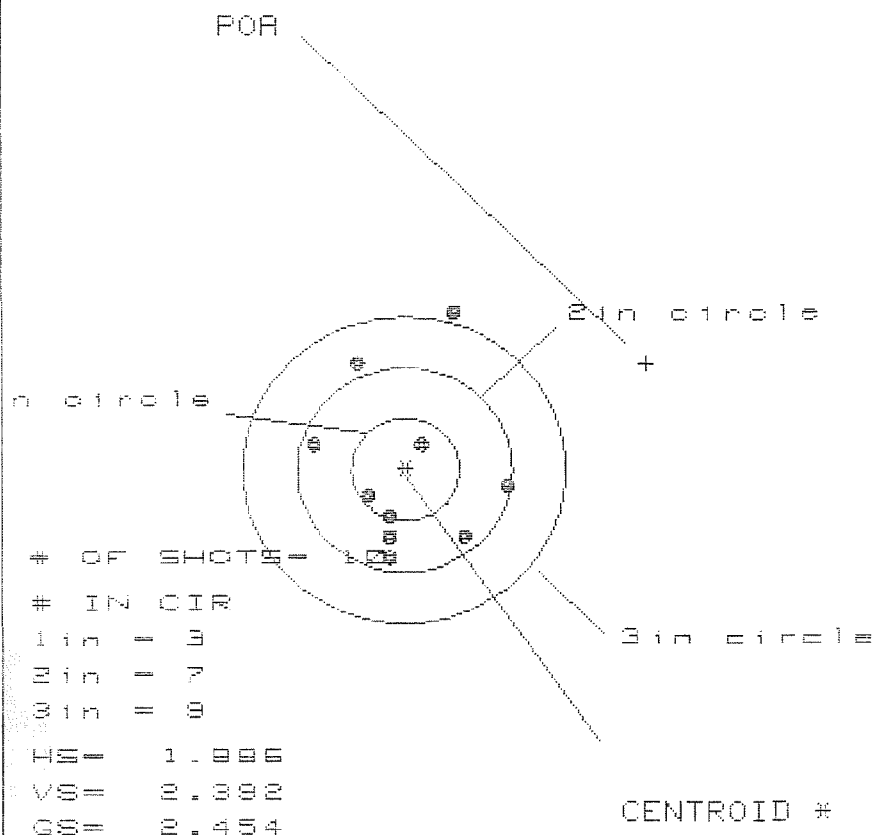
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.726	.547	.481
MINIMUM X	:	-.613	-.533	-.589
MAXIMUM Y	:	.990	.814	.743
MINIMUM Y	:	-1.586	-1.238	-1.136
CENTROID X	:	-2.379	-2.459	-2.393
CENTROID Y	:	-1.018	-.842	-.944
POA TO CENTROID in.	:	2.588	2.600	2.572
MIN RADIUS	:	.358	.181	.232
MEAN RADIUS	:	.791	.637	.608
MAX RADIUS	:	1.744	1.248	1.158
HORIZONTAL SPREAD	:	1.339	1.080	.990
VERTICAL SPREAD	:	2.576	2.052	1.879
EXTREME SPREAD	:	2.903	2.086	1.881
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/6225197

CENTERFIRE PATTERNS

5



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.001	1.047	.996
MINIMUM X	:	-.885	-.839	-.890
MAXIMUM Y	:	1.520	1.243	.562
MINIMUM Y	:	-.872	-.703	-.547
CENTROID X	:	-2.251	-2.297	-2.246
CENTROID Y	:	-1.046	-1.215	-1.371
POA TO CENTROID in.	:	2.482	2.599	2.631
MIN RADIUS	:	.270	.278	.187
MEAN RADIUS	:	.824	.699	.590
MAX RADIUS	:	1.576	1.310	1.053
HORIZONTAL SPREAD	:	1.886	1.886	1.886
VERTICAL SPREAD	:	2.392	1.946	1.109
EXTREME SPREAD	:	2.454	1.976	1.927
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

Refers to

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225197

CENTROIDAL DISTANCES

0 TO	1	.0973499
1 TO	2	.643865
1 TO	3	.757174
1 TO	4	.889272
1 TO	5	.324918

0.5 <----POA
234

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .27
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.4126
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .493091

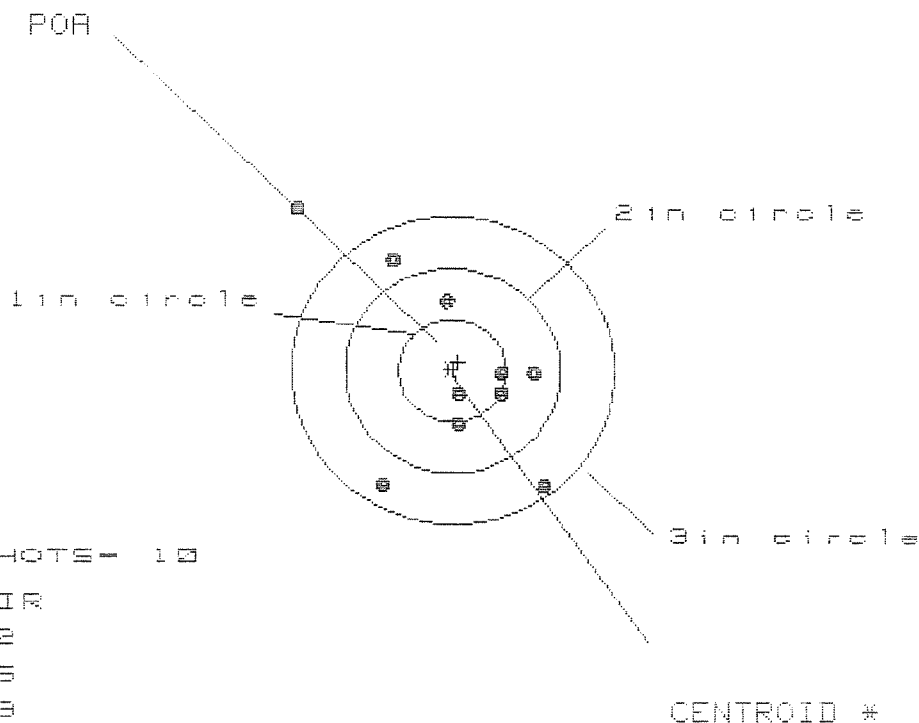
THE AMR FOR THIS RIFLE IS: .7954

Retest

12 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225197.X

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 2.324

VS = 2.671

GS = 3.541

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.899	.741	.668
MINIMUM X	-1.425	-.754	-.662
MAXIMUM Y	1.545	1.242	1.123
MINIMUM Y	-1.126	-.954	-1.025
CENTROID X	-.054	.104	.012
CENTROID Y	-.081	-.253	-.134
POA TO CENTROID in.	.098	.274	.134
MIN RADIUS	.268	.126	.207
MEAN RADIUS	.916	.715	.677
MAX RADIUS	2.102	1.436	1.286
HORIZONTAL SPREAD	2.324	1.495	1.330
VERTICAL SPREAD	2.671	2.196	2.148
EXTREME SPREAD	3.541	2.638	2.148
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

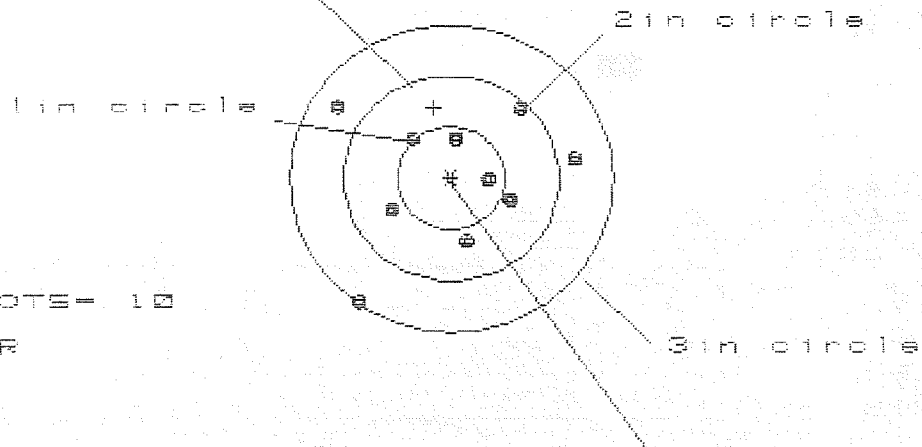
Retest

12 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225197.0

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.251

VS= 1.896

GS= 2.514

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.152	1.051	.901
MINIMUM X	:	-1.099	-1.200	-.802
MAXIMUM Y	:	.674	.538	.586
MINIMUM Y	:	-1.222	-.760	-.693
CENTROID X	:	.155	.256	.406
CENTROID Y	:	-.690	-.554	-.621
POA TO CENTROID in.	:	.707	.610	.742
MIN RADIUS	:	.364	.263	.152
MEAN RADIUS	:	.807	.705	.607
MAX RADIUS	:	1.520	1.315	.915
HORIZONTAL SPREAD	:	2.251	2.251	1.703
VERTICAL SPREAD	:	1.896	1.298	1.279
EXTREME SPREAD	:	2.514	2.295	1.772
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

Retest

12 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225187 X

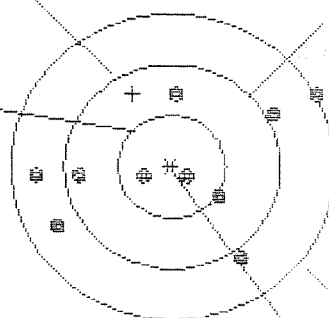
CENTERFIRE PATTERNS # 3

POA

1 in circle =

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.554

VS= 1.621

GS= 2.716

CENTROID

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.321	1.050	.914
MINIMUM X	:	-1.234	-1.087	-1.058
MAXIMUM Y	:	.761	.844	.845
MINIMUM Y	:	-.860	-.777	-.776
CENTROID X	:	.363	.216	.352
CENTROID Y	:	-.713	-.796	-.797
POA TO CENTROID in.	:	.880	.825	.871
MIN RADIUS	:	.156	.116	.136
MEAN RADIUS	:	.866	.780	.731
MAX RADIUS	:	1.520	1.218	1.151
HORIZONTAL SPREAD	:	2.554	2.137	1.972
VERTICAL SPREAD	:	1.621	1.621	1.621
EXTREME SPREAD	:	2.716	2.245	2.245
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

Retest

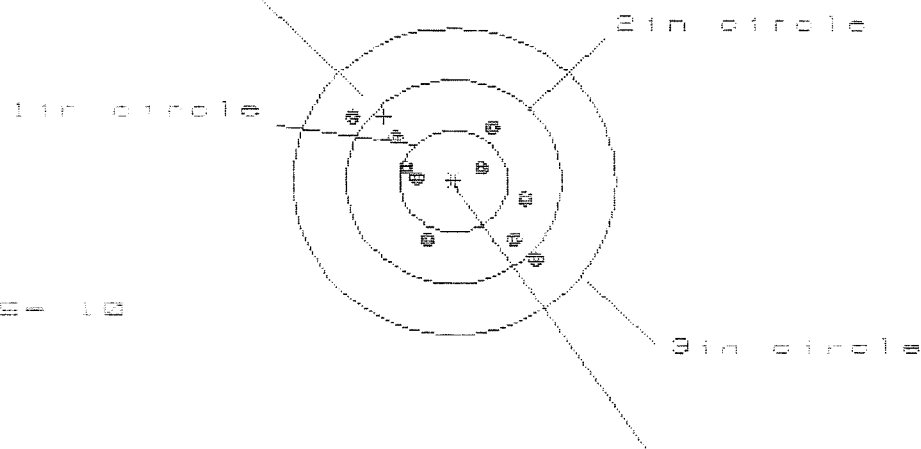
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FILE:/PATTERNING/CENTERFIRE_PATT/08225187.X

CENTERFIRE PATTERNS

4

POB



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.758

VS= 1.368

GS= 2.228

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.788	.671	.661
MINIMUM X	-.979	-.698	-.614
MAXIMUM Y	.609	.601	.515
MINIMUM Y	-.759	-.691	-.597
CENTROID X	.644	.753	.669
CENTROID Y	-.632	-.700	-.614
POB TO CENTROID in.	.902	1.028	.908
MIN RADIUS	.257	.241	.226
MEAN RADIUS	.686	.633	.575
MAX RADIUS	1.153	.963	.768
HORIZONTAL SPREAD	1.759	1.369	1.275
VERTICAL SPREAD	1.368	1.292	1.112
EXTREME SPREAD	2.228	1.831	1.517
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

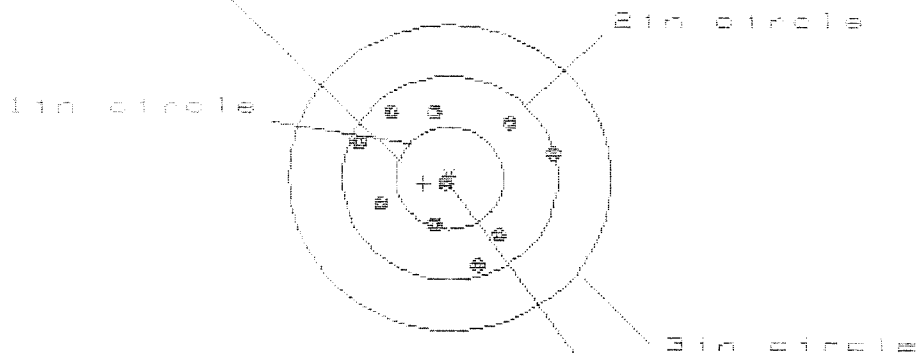
Retest

12 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225197.X

CENTERFIRE PATTERNS # 5

POB



OF SHOTS = 10

IN CIR

1in = 2

2in = 10

3in = 10

HS = 1.772

VS = 1.519

GS = 1.772

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.959	.646	.694
MINIMUM X	:	-.813	-.706	-.650
MAXIMUM Y	:	.622	.652	.543
MINIMUM Y	:	-.897	-.867	-.680
CENTROID X	:	.242	.135	.087
CENTROID Y	:	.053	.023	.132
POB TO CENTROID in.	:	.248	.137	.158
MIN RADIUS	:	.059	.115	.210
MEAN RADIUS	:	.782	.663	.627
MAX RADIUS	:	.996	.950	.932
HORIZONTAL SPREAD	:	1.772	1.352	1.352
VERTICAL SPREAD	:	1.519	1.519	1.223
EXTREME SPREAD	:	1.773	1.732	1.602
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	