

C6348871

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: **RE00102229**

Serial: C6348871 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/13/1989

Repairman:

Status:

Closed 10/12/2005 2:11:19 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: **FB4484 305 APS/TRTC**

FB4484 305 APS/TRTC

Address 1: **3101 VANDENBERG AVE**

3101 VANDENBERG AVE

Address 2: PO Box:

PO Box:

City: **MCGUIRE AIR FORCE BASE**

MCGUIRE AIR FORCE BASE

State: **NJ**

Zip Code: **08641**

Country: **US**

State: **NJ**

Zip Code: **08641**

Country: **US**

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: **NA**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

maglet

10/13/2005

8:59 AM

CAPS

NUM

INS

SCPL

start

2

3

Arms S.

3

3

3

3

3

3

Serial Number:

C6348871

Model: **M24 SWS**



RE00102229

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348871.___0
FILE DATE AND TIME: 12/28/2005 15:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.039
The Average Y Centroid of the Five Target Set:	-0.140
The Average Point of Impact of the Five Target Set:	0.145
The Average Mean Radius of the Five Target Set:	0.629
The Distance from POA to Centroid Target #1:	0.090
The Distance from Centroid Target #2 to Centroid Target #1:	0.093
The Distance from Centroid Target #3 to Centroid Target #1:	0.185
The Distance from Centroid Target #4 to Centroid Target #1:	0.132
The Distance from Centroid Target #5 to Centroid Target #1:	0.379

SERIAL NUMBER: C6348871. __0

TARGET NUMBER: 1

FILE DATE: 12/28/2005

FILE TIME: 15:55

X CENTROID: 0.064

Y CENTROID: -0.063

POA TO CENTROID: 0.090

HORZ SPREAD: 1.007

VERT SPREAD: 1.799

GROUP SPREAD: 2.036

MIN RADIUS: 0.130

MAX RADIUS: 1.139

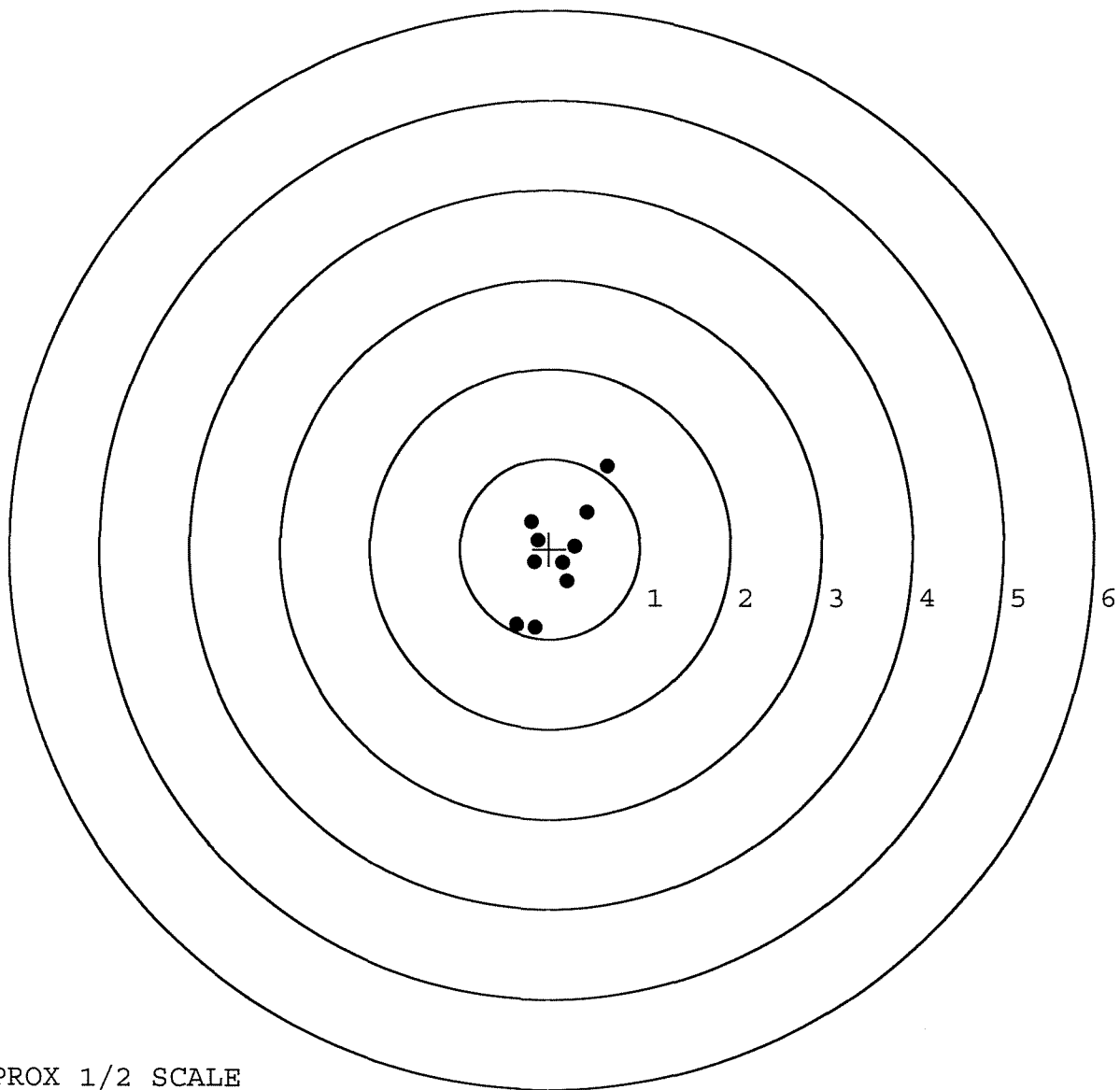
MEAN RADIUS: 0.513

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.639	0.920
2:	0.413	0.412
3:	0.284	0.033
4:	0.199	-0.361
5:	0.153	-0.158
6:	-0.166	-0.879
7:	-0.368	-0.850
8:	-0.171	-0.148
9:	-0.133	0.100
10:	-0.208	0.301

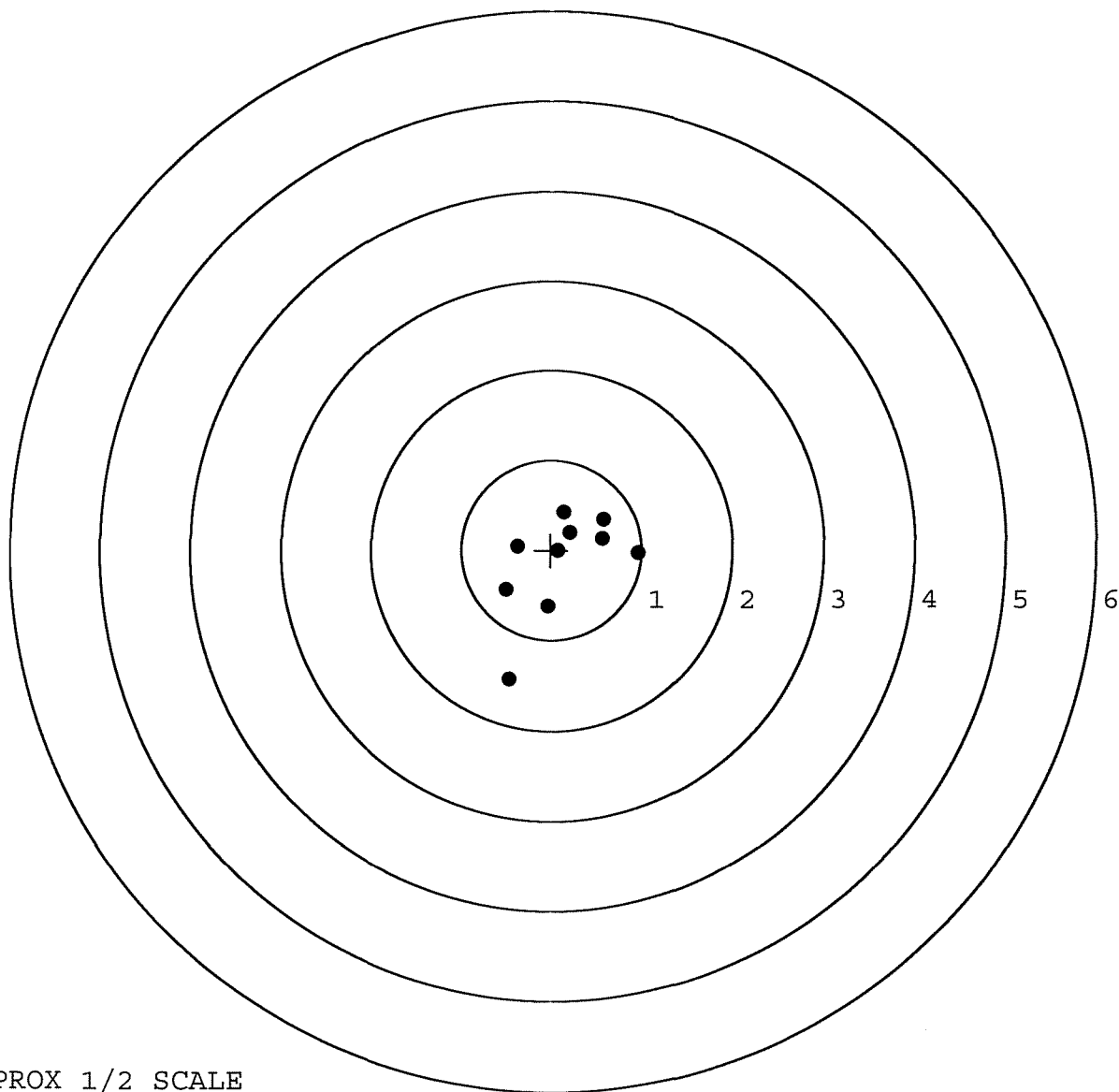


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348871. __0
TARGET NUMBER: 2
FILE DATE: 12/28/2005
FILE TIME: 15:55

X CENTROID: 0.114
Y CENTROID: -0.141
POA TO CENTROID: 0.181
HORZ SPREAD: 1.468
VERT SPREAD: 1.857
GROUP SPREAD: 2.064
MIN RADIUS: 0.139
MAX RADIUS: 1.420
MEAN RADIUS: 0.625
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.471	-1.435
2:	-0.035	-0.631
3:	-0.504	-0.440
4:	-0.376	0.046
5:	0.964	-0.035
6:	0.578	0.343
7:	0.562	0.127
8:	0.077	-0.007
9:	0.206	0.197
10:	0.138	0.422



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348871. __0

TARGET NUMBER: 3

FILE DATE: 12/28/2005

FILE TIME: 15:55

X CENTROID: 0.126

Y CENTROID: -0.237

POA TO CENTROID: 0.269

HORZ SPREAD: 2.159

VERT SPREAD: 2.886

GROUP SPREAD: 3.216

MIN RADIUS: 0.252

MAX RADIUS: 2.270

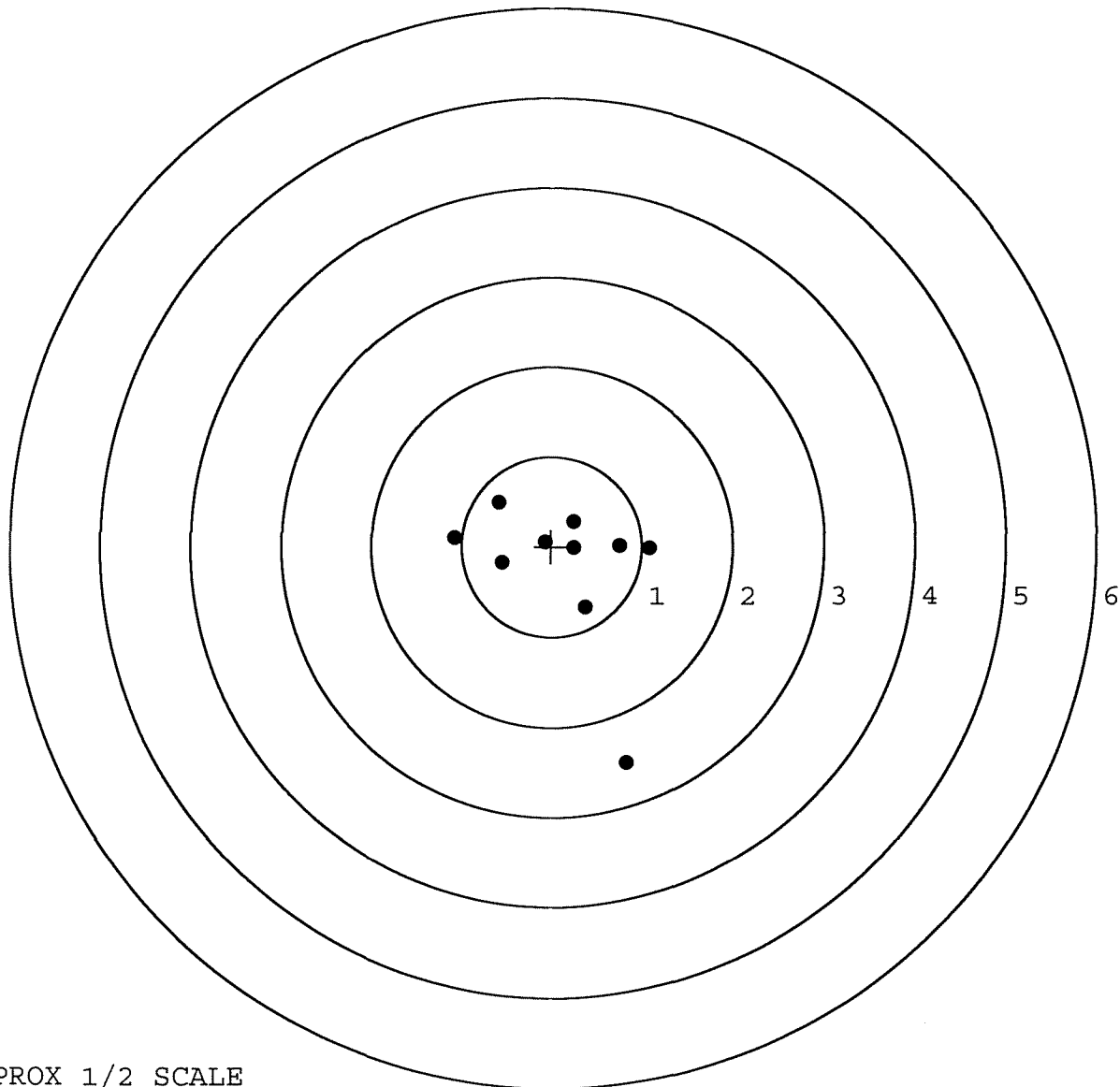
MEAN RADIUS: 0.851

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.081	-0.024
2:	0.758	0.011
3:	0.380	-0.680
4:	0.244	0.279
5:	0.248	-0.017
6:	-0.069	0.048
7:	-0.587	0.492
8:	-0.552	-0.186
9:	-1.078	0.098
10:	0.833	-2.394



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348871. 0

TARGET NUMBER: 4

FILE DATE: 12/28/2005

FILE TIME: 15:55

X CENTROID: 0.109

Y CENTROID: 0.061

POA TO CENTROID: 0.125

HORZ SPREAD: 1.743

VERT SPREAD: 1.389

GROUP SPREAD: 1.927

MIN RADIUS: 0.261

MAX RADIUS: 1.053

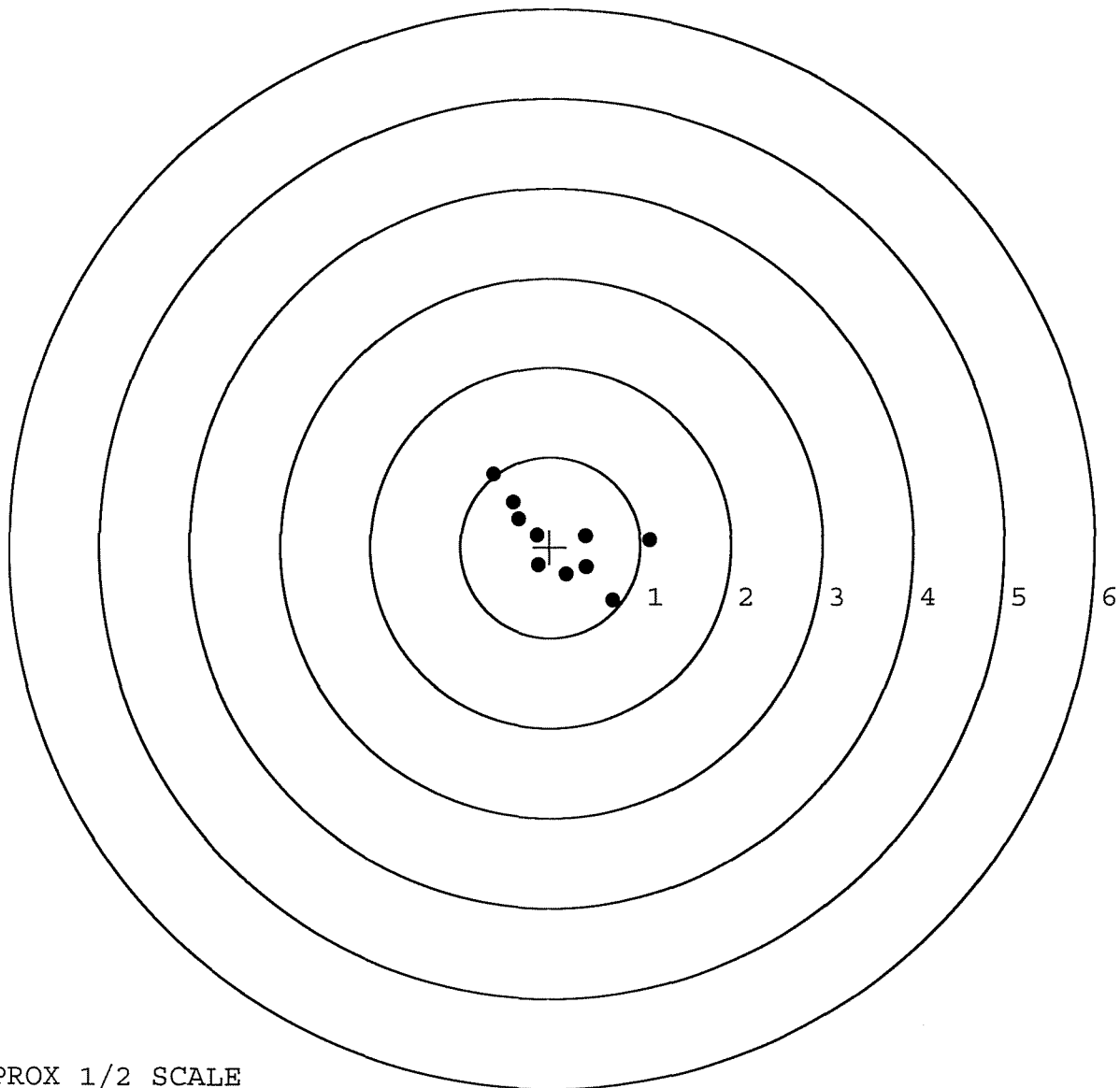
MEAN RADIUS: 0.582

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.103	0.075
2:	0.696	-0.587
3:	0.394	0.123
4:	0.401	-0.223
5:	0.184	-0.302
6:	-0.131	-0.206
7:	-0.143	0.130
8:	-0.358	0.308
9:	-0.417	0.491
10:	-0.640	0.802



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348871. __0

TARGET NUMBER: 5

FILE DATE: 12/28/2005

FILE TIME: 15:55

X CENTROID: -0.217

Y CENTROID: -0.318

POA TO CENTROID: 0.385

HORZ SPREAD: 1.588

VERT SPREAD: 1.673

GROUP SPREAD: 1.693

MIN RADIUS: 0.060

MAX RADIUS: 1.099

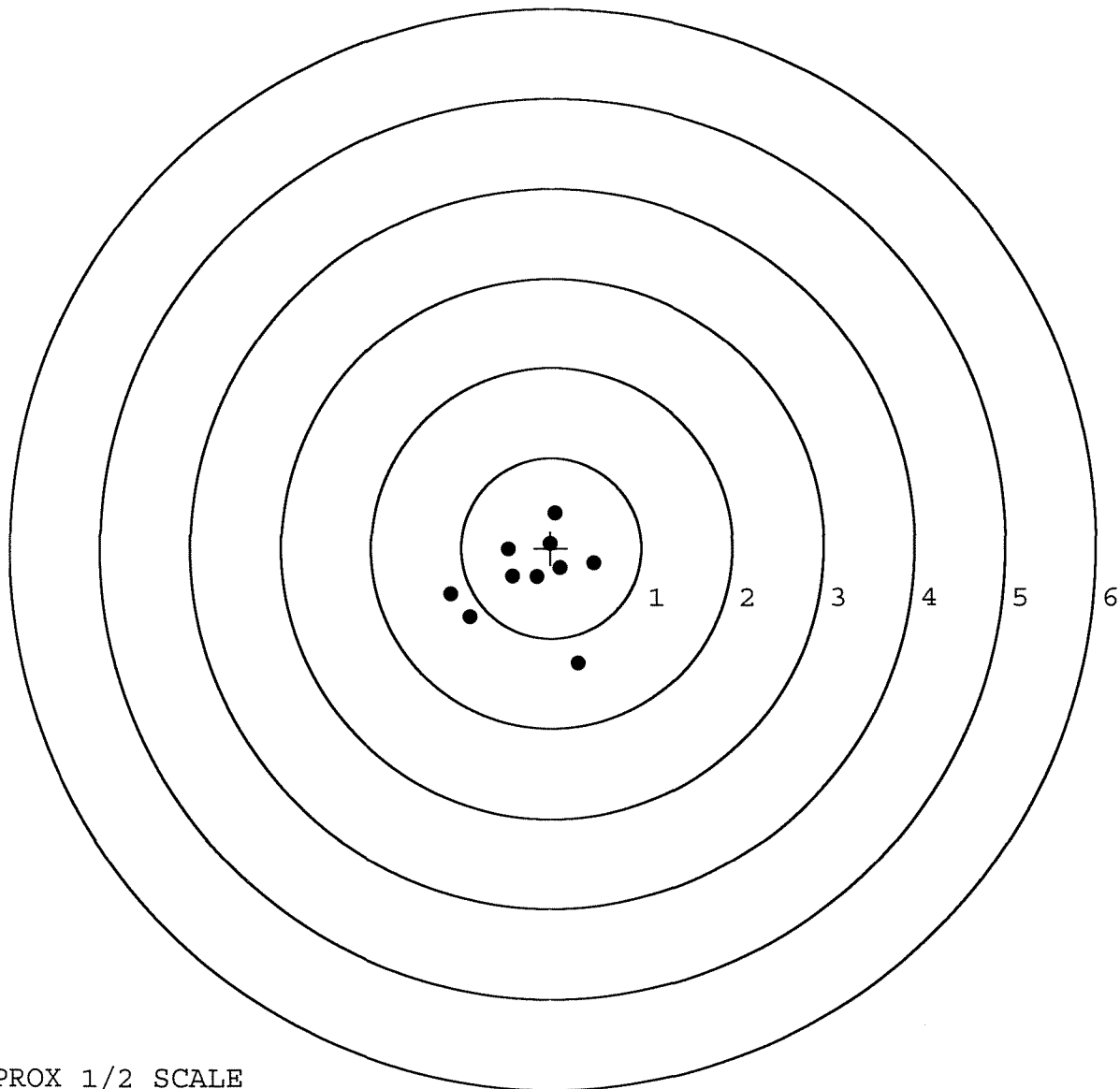
MEAN RADIUS: 0.572

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.304	-1.286
2:	-0.903	-0.770
3:	-1.114	-0.517
4:	0.474	-0.168
5:	0.042	0.387
6:	-0.474	-0.014
7:	-0.432	-0.315
8:	-0.157	-0.322
9:	-0.011	0.047
10:	0.104	-0.222



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	162229		
SERIAL NUMBER	06348871		
LOG-IN DATE	10-12-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	10-17-05	RTL
560 A	RE-BARREL		
B	DRILL AND TAP	N/A	TRW
575	ASSEMBLE	12-12-05	CD
600	PROOF	12-12-05	CD
605	CHECK HEADSPACE	12-12-05	CD
610	DIS-ASSEMBLE GUN	12-12-05	CD
612	MAGNAFLUX	12/15/05	unl
615	ROLLMARK CALIBER	12-15-05	CW
618	ROTO-BLAST	12-16-05	LB
620	APPLY COATINGS	12/20/05	TB
625 A	FINAL ASSEMBLY	12-28-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	12-28-05	AC
D	SAFETY "OFF" FORCE	12-28-05	AC
E	FIRING PIN INDENT	12-28-05	AC
640	TARGET	12-28-05	TRW
655	FINAL INSPECT	12-28-05	AC
660	PACK	12-29-05	RA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6348871

ORDER NO.
5716

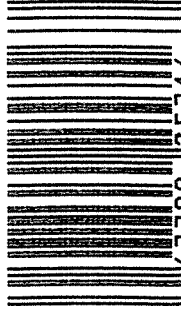
Q1

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



5716 C6348871

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348871

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 30	89	DW
600	Proof	8 30	89	DW
607	Check Headspace	8 30	89	DW
610	Dis-assemble Gun	8 30	89	DW
612	Magnaflux Barrel Action		8/31/89	KCR
	Magnaflux Bolt		8/31/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	9 1	89	Le
618	Polish Barrel <i>RG</i>	9 1	89	BT
620	Apply Coatings (Barrel Action)		9-7-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		21 Sep 89	22

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	9/27/89	JH		
	G) Safety Off Force	3	3	3	9/27/89	JH		
	H) Trigger Pull Test & Retainability				2/20/89	JH		
	I) Firing Pin Indent	.022	.0215	.022	9/27/89	JH		
	J) Assemble Stock				9/29/89	RW		
	K) Assemble Swivel Studs				9/29/89	JH		
	L) Attach Front and Rear Sight Assemblies				12/11/89	RW		
	M) Iron Sight Alignment				12/11/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				12/11/89	RW		
	O) Attach Scope to Rifle				10/2/89	JH		
	P) Detach & Attach Scope 20 Times				10/2/89	JH		
640	Gallery Target & Test				10-2-89	AC		
	A) Time				10-2-89	AC		
	B) Malfunctions				10-2-89	AC		
	C) Pierced Primers				10-2-89	AC		
	D) Optical Clarity of Scope				10-2-89	AC		
645	Inspect for Live Ammo				10-2-89	AC		
655	Final Inspection				2/20/89	JH		
	A) Headspace				2/20/89	JH		
	B) Trigger Pull	269	260	279	270	249	2/20/89	JH
	C) Function						2/20/89	JH
660	Pack						15 Dec 89	JH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 06348871

DATE 13 Mar 90

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.42		2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.52		2.75	
PULL #3	2.51	2.60		2.62	
PULL #4	2.46	2.49		2.52	
PULL #5	2.59	2.62		2.63	
TOTAL	12.49	12.65			
AVG.	2.498	2.53			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.31		
PULL #2	3.30	3.29		
PULL #3	3.25	3.25		
PULL #4	3.21	3.24		
PULL #5	3.26	3.21		
TOTAL	16.28	16.20		
AVG.	3.256	3.24		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.05	4.27		
PULL #2	4.13	4.24		
PULL #3	4.17	4.27		
PULL #4	4.20	4.25		
PULL #5	4.17	4.25		
TOTAL	20.72	21.28		
AVG.	4.144	4.256		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348871
2 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.791609
1 TO	2	.52835
1 TO	3	.84226
1 TO	4	.764924
1 TO	5	.745077

$\bar{x}_2$ $\bar{y}_1$ <----POA
1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5534
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.002
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .553404
THE AMR FOR THIS RIFLE IS: 1.173

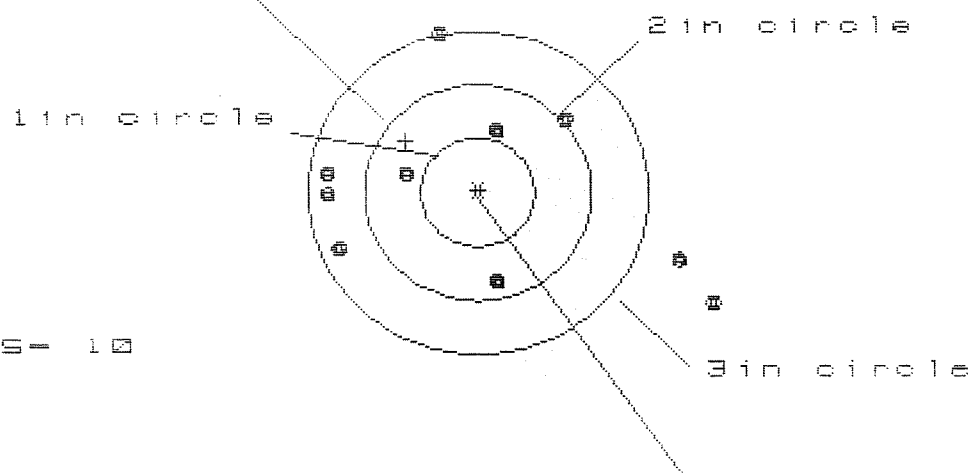
2 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B871

CENTERFIRE PATTERNS

1

POA



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 3.352

VS= 2.512

GS= 3.563

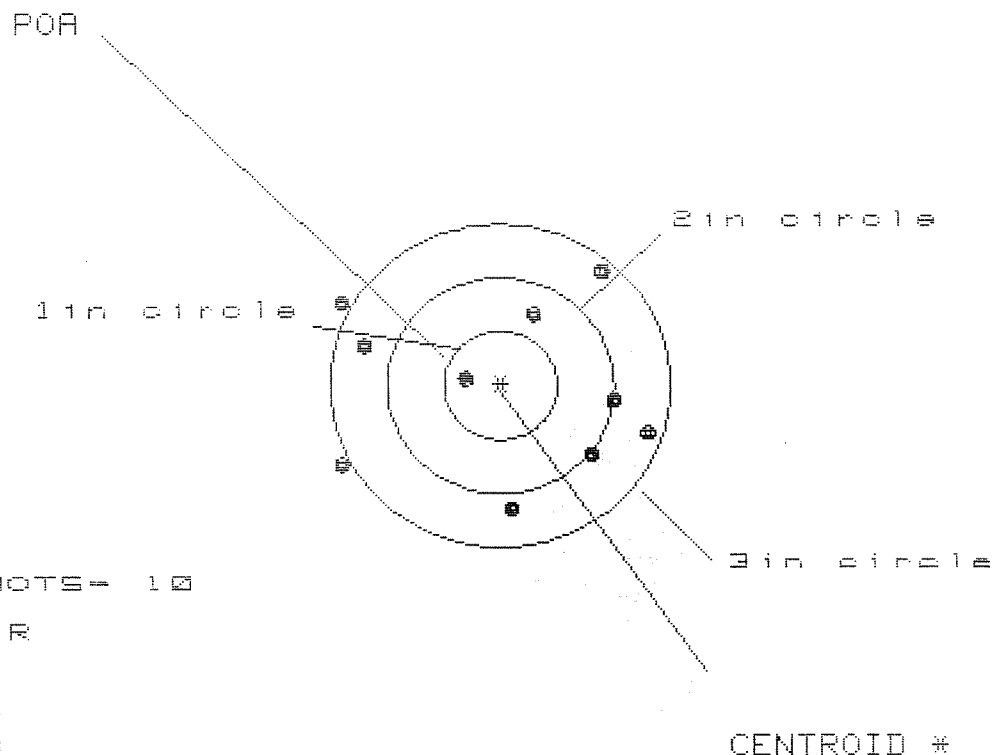
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.029	1.968	1.218
MINIMUM X	:	-1.333	-1.108	-.862
MAXIMUM Y	:	1.496	1.383	1.291
MINIMUM Y	:	-1.016	-.956	-1.048
CENTROID X	:	.631	.406	.160
CENTROID Y	:	-.478	-.365	-.273
POA TO CENTROID in.	:	.792	.546	.317
MIN RADIUS	:	.621	.379	.141
MEAN RADIUS	:	1.279	1.120	.944
MAX RADIUS	:	2.269	2.101	1.301
HORIZONTAL SPREAD	:	3.362	3.076	2.080
VERTICAL SPREAD	:	2.512	2.339	2.339
EXTREME SPREAD	:	3.563	3.175	2.401
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	7		

2 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B871

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 2.751

VS= 2.203

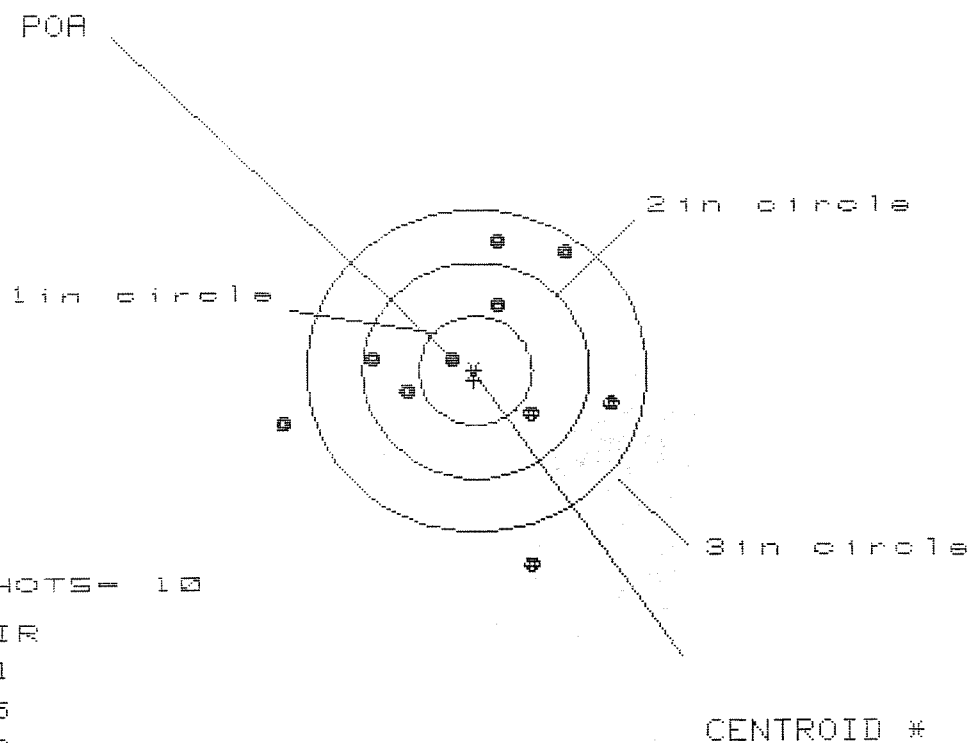
GS= 2.988

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.300	1.139	.938
MINIMUM X	:	-1.451	-1.608	-1.545
MAXIMUM Y	:	1.112	1.194	1.111
MINIMUM Y	:	-1.091	-1.009	-1.092
CENTROID X	:	.304	.465	.666
CENTROID Y	:	-.063	-.145	-.062
POA TO CENTROID in.	:	.311	.487	.669
MIN RADIUS	:	.323	.503	.679
MEAN RADIUS	:	1.150	1.082	.972
MAX RADIUS	:	1.629	1.741	1.594
HORIZONTAL SPREAD	:	2.751	2.747	2.483
VERTICAL SPREAD	:	2.203	2.203	2.203
EXTREME SPREAD	:	2.988	2.986	2.613
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

2 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348871

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.879

VS= 2.926

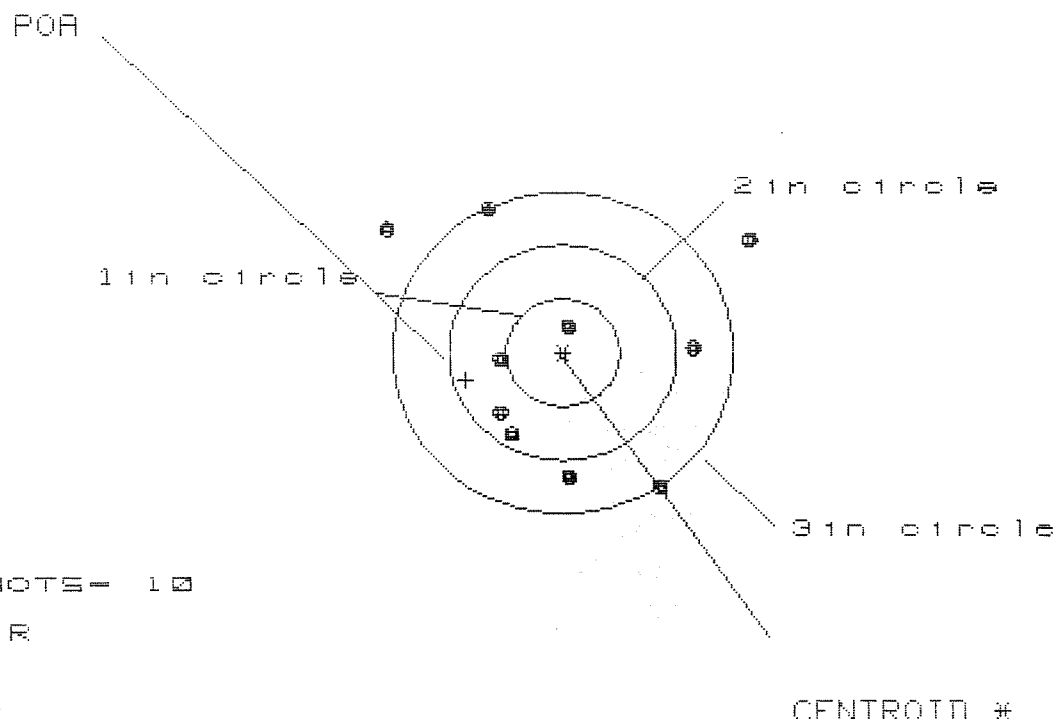
GS= 2.946

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.192	1.251	1.047
MINIMUM X	:	-1.687	-1.628	-1.009
MAXIMUM Y	:	1.175	.980	.895
MINIMUM Y	:	-1.751	-.680	-.660
CENTROID X	:	.010	-.049	.155
CENTROID Y	:	.091	.286	.370
POA TO CENTROID in.	:	.092	.290	.402
MIN RADIUS	:	.249	.209	.379
MEAN RADIUS	:	1.037	.925	.821
MAX RADIUS	:	1.829	1.764	1.199
HORIZONTAL SPREAD	:	2.879	2.879	2.056
VERTICAL SPREAD	:	2.926	1.660	1.556
EXTREME SPREAD	:	2.946	2.935	2.094
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

2 Oct 1989

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 6

HS= 3.265

VS= 2.657

GS= 3.445

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.684	1.509	1.130
MINIMUM X	:	-1.581	-1.782	-1.594
MAXIMUM Y	:	1.382	1.512	1.653
MINIMUM Y	:	-1.275	-1.145	-1.004
CENTROID X	:	.853	1.028	.840
CENTROID Y	:	.254	.124	-.017
POA TO CENTROID in.	:	.890	1.036	.840
MIN RADIUS	:	.228	.387	.499
MEAN RADIUS	:	1.171	1.086	.938
MAX RADIUS	:	1.964	1.884	1.756
HORIZONTAL SPREAD	:	3.265	2.291	1.723
VERTICAL SPREAD	:	2.657	2.657	2.657
EXTREME SPREAD	:	3.445	3.030	3.030
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		

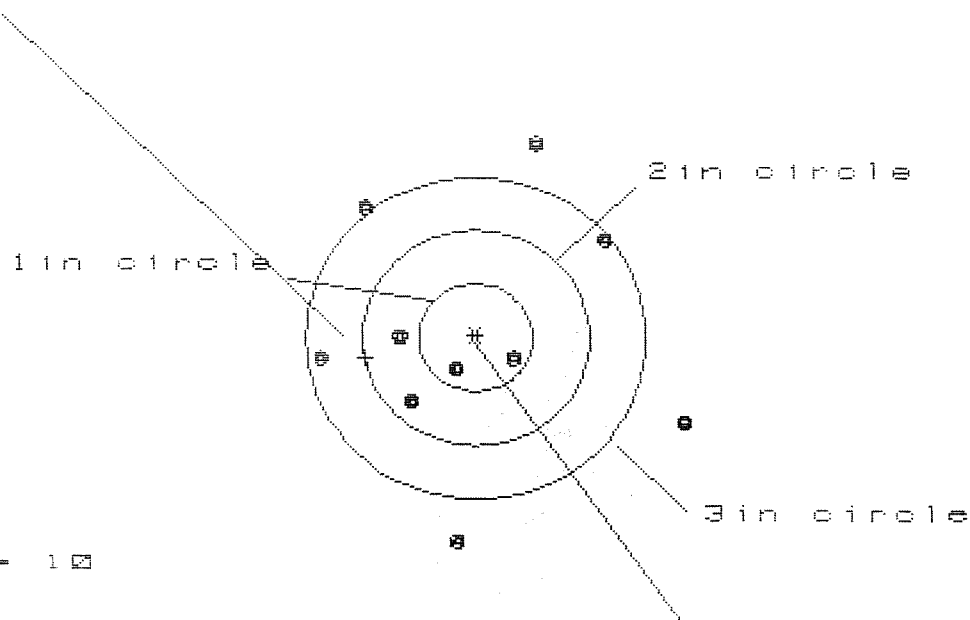
2 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B871

CENTERFIRE PATTERNS

5

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 6

HS= 3.147

VS= 3.678

GS= 3.744

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.825	1.327	1.337
MINIMUM X	:	-1.322	-1.119	-1.109
MAXIMUM Y	:	1.775	1.683	1.433
MINIMUM Y	:	-1.903	-1.995	-1.883
CENTROID X	:	.969	.766	.756
CENTROID Y	:	.186	.278	.528
POA TO CENTROID in.	:	.986	.815	.922
MIN RADIUS	:	.340	.389	.505
MEAN RADIUS	:	1.227	1.121	1.045
MAX RADIUS	:	2.005	1.997	1.635
HORIZONTAL SPREAD	:	3.147	2.446	2.446
VERTICAL SPREAD	:	3.678	3.678	2.316
EXTREME SPREAD	:	3.744	3.744	2.715
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	