

C6498789

MODEL 700TM N24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

* 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: **RE00092756** Serial: C6498789 Model: M24 SWS Center Fire Caliber: 7.62 Produced: 12/19/1990 Repairman: Status: Closed 2/10/2005 11:37:51 AM

Verify Repair

Address Information

Customer ☐ Received From ☒ Return To ☐ Received From ☒

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**

Address 1: Address 2: PO Box: PO Box:

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **36201 4199** Country: **US** State: **AL** Zip Code: **36201 4199** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Good Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

maglet 2/14/2005 9:20 AM CAPS NUM INS SCPL

start 5 2 4 Arms Service

Serial Number: **C6498789**

Model: **M24 SWS**



RE00092756

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498729.__0
FILE DATE AND TIME: 07/18/2005 08:34

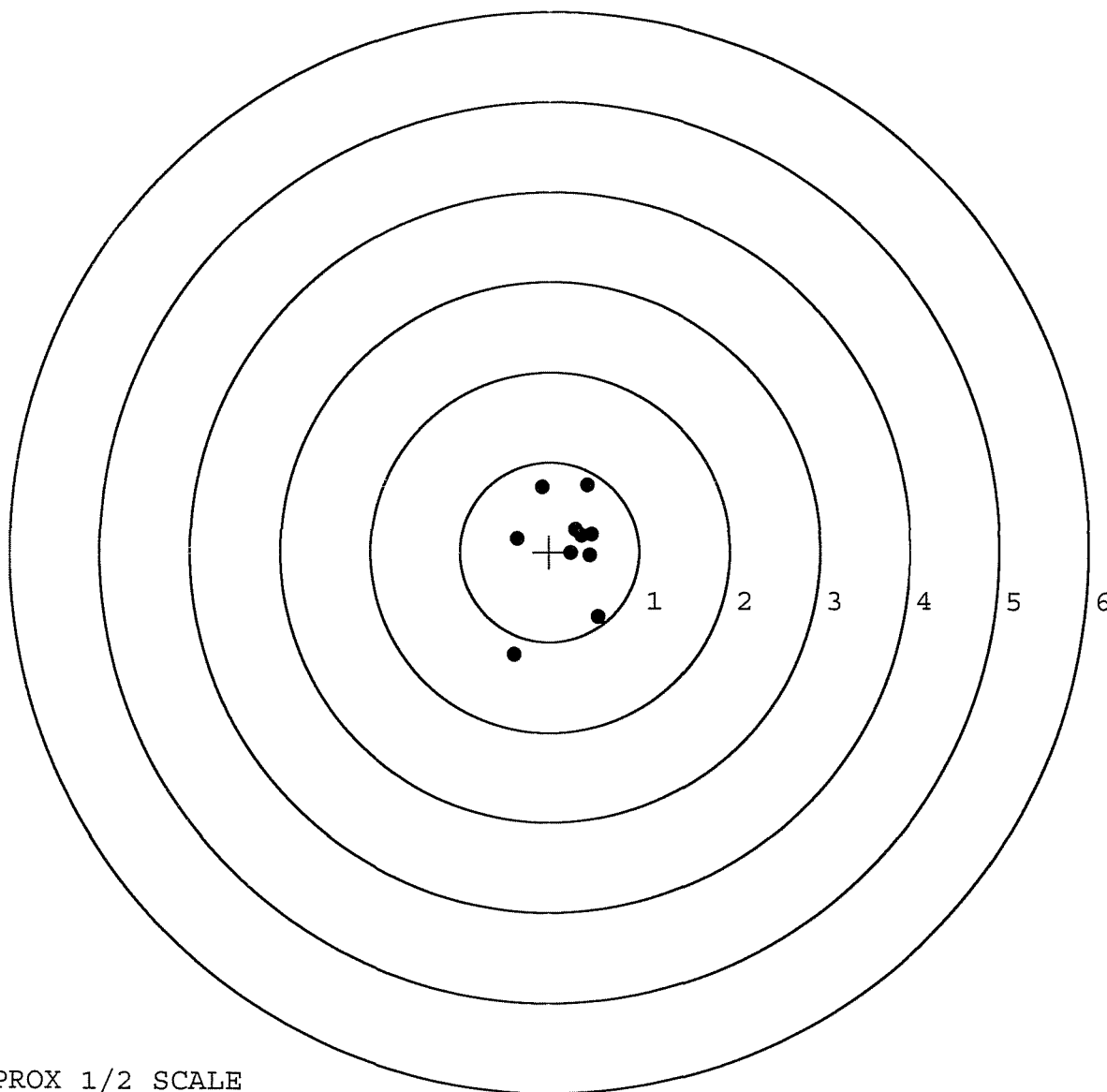
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.096
The Average Y Centroid of the Five Target Set:	-0.130
The Average Point of Impact of the Five Target Set:	0.161
The Average Mean Radius of the Five Target Set:	0.751
The Distance from POA to Centroid Target #1:	0.193
The Distance from Centroid Target #2 to Centroid Target #1:	0.156
The Distance from Centroid Target #3 to Centroid Target #1:	0.738
The Distance from Centroid Target #4 to Centroid Target #1:	0.137
The Distance from Centroid Target #5 to Centroid Target #1:	0.613

SERIAL NUMBER: C6498799. __0
TARGET NUMBER: 1
FILE DATE: 07/18/2005
FILE TIME: 08:34

POINT#	X	Y
1:	0.416	0.744
2:	-0.092	0.726
3:	-0.364	0.150
4:	-0.397	-1.141
5:	0.544	-0.728
6:	0.450	-0.046
7:	0.237	-0.018
8:	0.288	0.247
9:	0.468	0.196
10:	0.357	0.185

X CENTROID: 0.191
Y CENTROID: 0.032
POA TO CENTROID: 0.193
HORZ SPREAD: 0.941
VERT SPREAD: 1.885
GROUP SPREAD: 2.053
MIN RADIUS: 0.068
MAX RADIUS: 1.312
MEAN RADIUS: 0.534
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

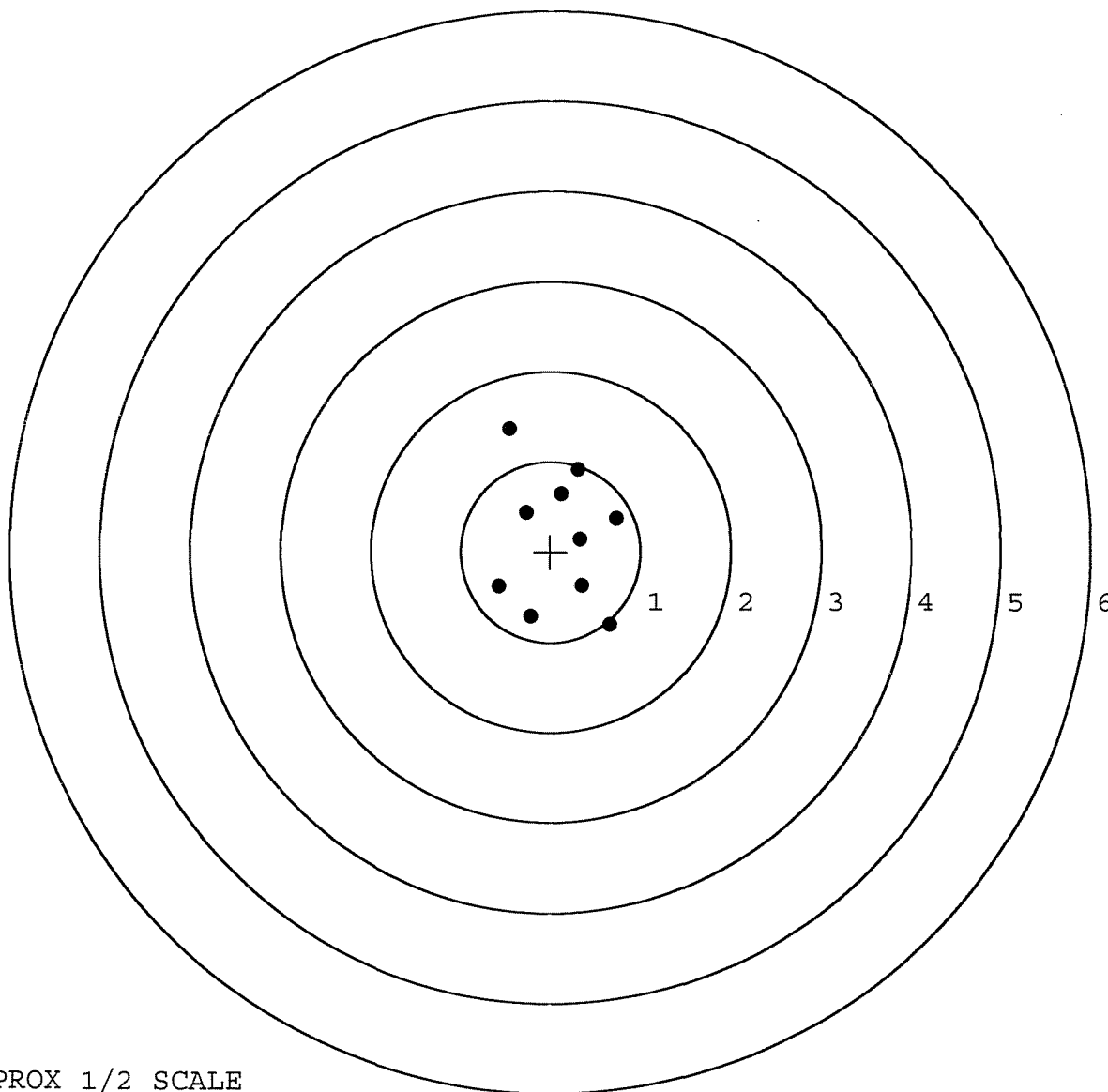


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498799. __0
TARGET NUMBER: 2
FILE DATE: 07/18/2005
FILE TIME: 08:34

X CENTROID: 0.097
Y CENTROID: 0.156
POA TO CENTROID: 0.184
HORZ SPREAD: 1.305
VERT SPREAD: 2.170
GROUP SPREAD: 2.444
MIN RADIUS: 0.237
MAX RADIUS: 1.330
MEAN RADIUS: 0.746
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.464	1.362
2:	0.308	0.909
3:	0.120	0.640
4:	-0.274	0.432
5:	-0.575	-0.380
6:	-0.221	-0.717
7:	0.350	-0.375
8:	0.661	-0.808
9:	0.333	0.135
10:	0.730	0.363

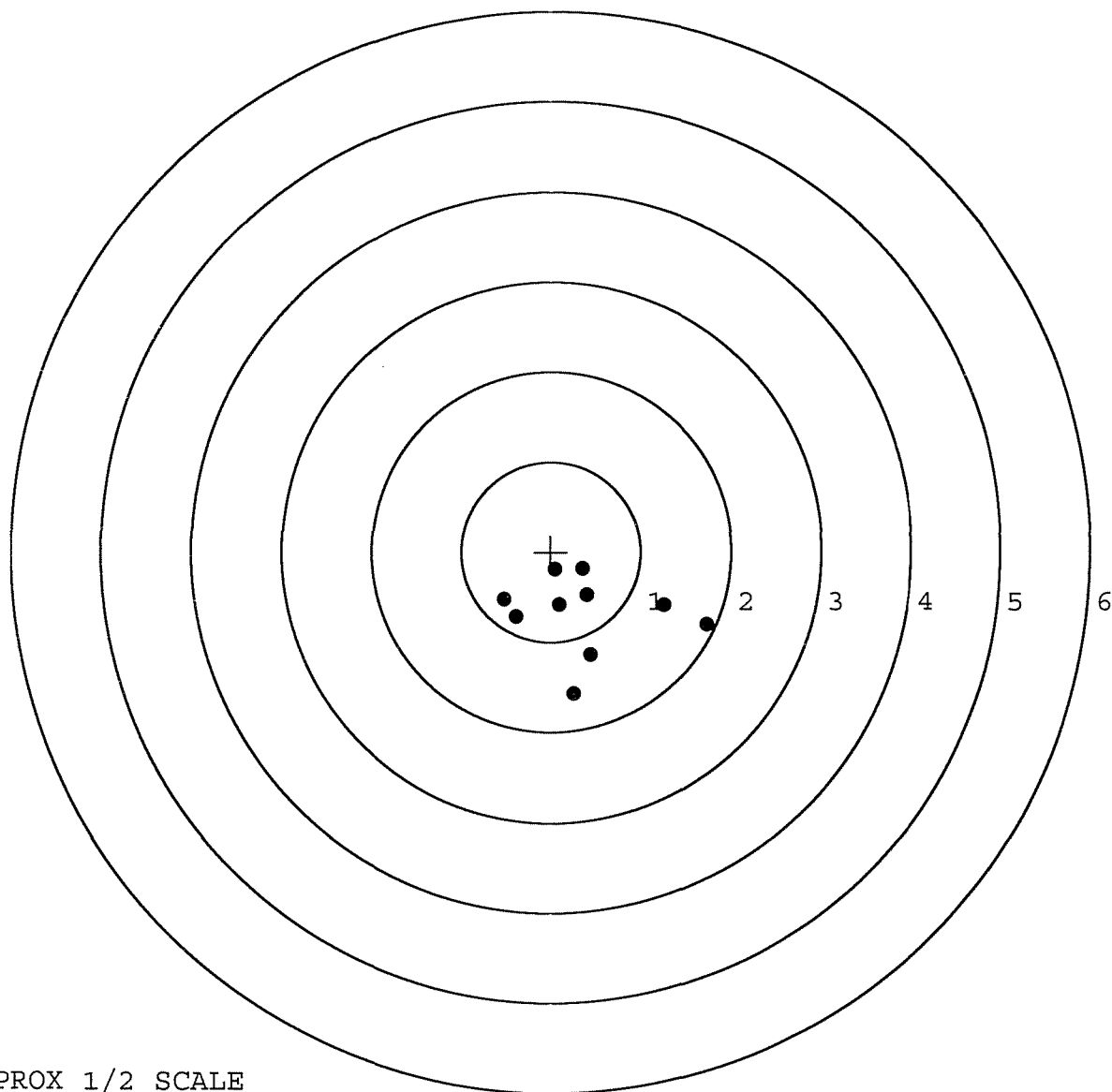


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498799.____0
TARGET NUMBER: 3
FILE DATE: 07/18/2005
FILE TIME: 08:34

X CENTROID: 0.368
Y CENTROID: -0.686
POA TO CENTROID: 0.778
HORZ SPREAD: 2.256
VERT SPREAD: 1.583
GROUP SPREAD: 2.273
MIN RADIUS: 0.209
MAX RADIUS: 1.370
MEAN RADIUS: 0.688
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.357	-0.187
2:	0.047	-0.198
3:	0.442	-1.153
4:	0.258	-1.583
5:	1.255	-0.598
6:	1.732	-0.809
7:	-0.390	-0.722
8:	-0.524	-0.532
9:	0.094	-0.593
10:	0.404	-0.480

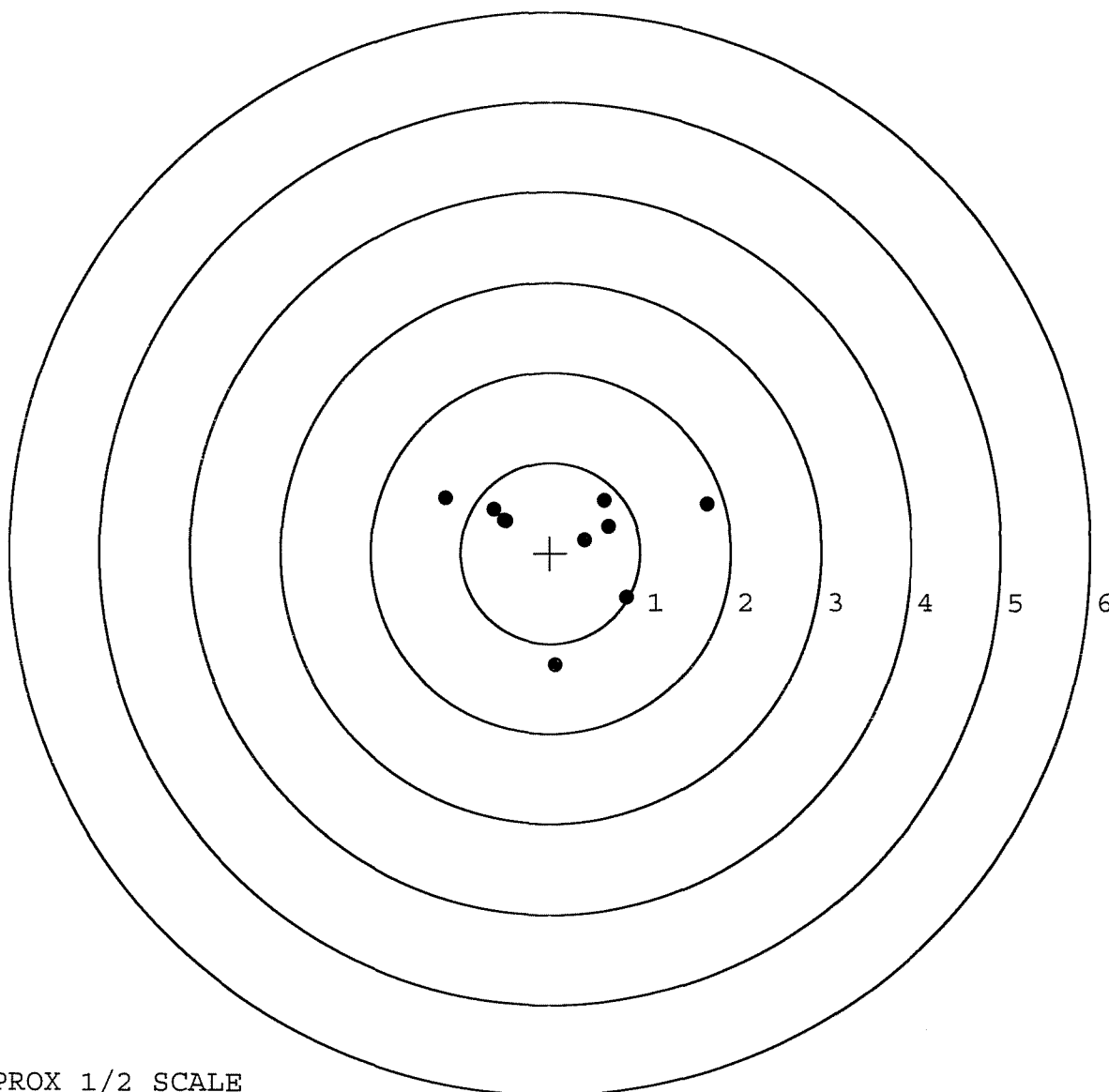


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498799. __0
TARGET NUMBER: 4
FILE DATE: 07/18/2005
FILE TIME: 08:34

POINT#	X	Y
1:	1.730	0.535
2:	0.599	0.576
3:	0.641	0.289
4:	0.381	0.143
5:	0.851	-0.497
6:	0.054	-1.241
7:	-0.526	0.358
8:	-1.171	0.603
9:	-0.634	0.479
10:	-0.506	0.348

X CENTROID: 0.142
Y CENTROID: 0.159
POA TO CENTROID: 0.213
HORZ SPREAD: 2.901
VERT SPREAD: 1.844
GROUP SPREAD: 2.902
MIN RADIUS: 0.240
MAX RADIUS: 1.632
MEAN RADIUS: 0.897
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

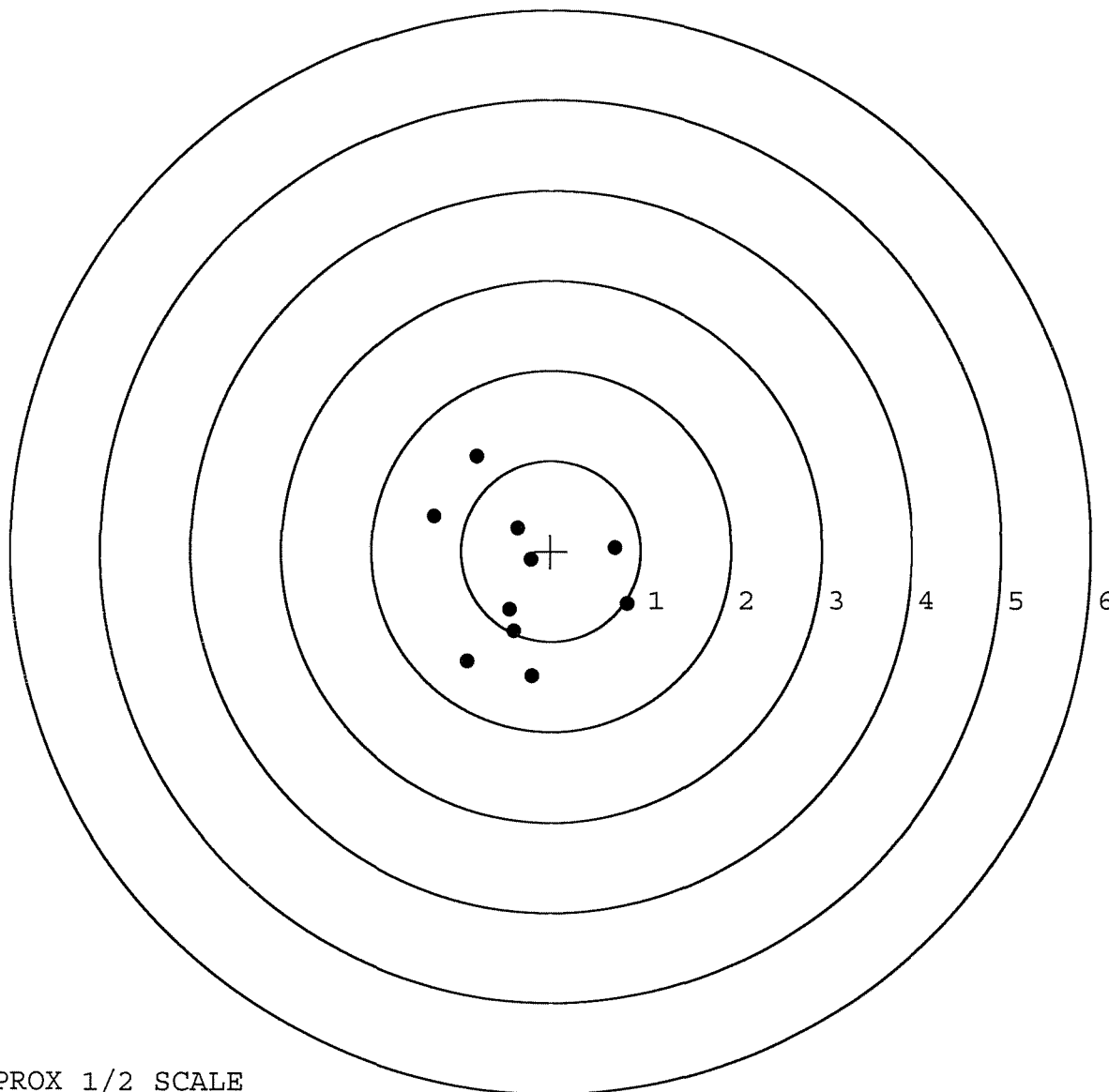


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498799. __0
TARGET NUMBER: 5
FILE DATE: 07/18/2005
FILE TIME: 08:34

POINT#	X	Y
1:	-0.827	1.053
2:	-1.305	0.393
3:	-0.378	0.256
4:	-0.222	-0.098
5:	0.715	0.039
6:	0.853	-0.587
7:	-0.464	-0.650
8:	-0.934	-1.223
9:	-0.416	-0.887
10:	-0.215	-1.387

X CENTROID: -0.319
Y CENTROID: -0.309
POA TO CENTROID: 0.444
HORZ SPREAD: 2.158
VERT SPREAD: 2.440
GROUP SPREAD: 2.516
MIN RADIUS: 0.232
MAX RADIUS: 1.454
MEAN RADIUS: 0.890
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92756		
SERIAL NUMBER	CL498289		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-25-05	RTZ
560 A	RE-BARREL	6-6-05	RTZ
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RTZ
600	PROOF	6-7-05	AC
605	CHECK HEADSPACE	6-7-05	AC
610	DIS-ASSEMBLE GUN	6-7-05	RTZ
612	MAGNAFLUX	6-9-05	TRW
615	ROLLMARK CALIBER	6-9-05	CW
618	ROTO-BLAST	6-10-05	LB
620	APPLY COATINGS	6-13-05	TRW
625 A	FINAL ASSEMBLY	7-8-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	8-8-05	AC
D	SAFETY "OFF" FORCE	8-8-05	AC
E	FIRING PIN INDENT	7-18-05	TRW
640	TARGET	7-18-05	TRW
655	FINAL INSPECT	8-8-05	AC
660	PACK	9-6-05	TRW
		SHIP DATE	
		QAR INSPECTION DATE	

M2400007834

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6498789DATE 12-2-94TESTER BJM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.43	2.69		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.69	2.30	2.67		
PULL #3	2.68	2.32	2.65		
PULL #4	2.67	2.39	2.65		
PULL #5	2.62	2.31	2.47		
TOTAL	13.18	11.75	13.13		
AVG.	2.63	2.35	2.62		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	2.90		
PULL #2	3.03	2.98		
PULL #3	2.99	3.10		
PULL #4	3.05	3.08		
PULL #5	3.05	3.20		
TOTAL	15.18	15.26		
AVG.	3.03	3.05		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.00		4.03
PULL #2	4.03	4.13		4.10
PULL #3	3.99	3.94		4.16
PULL #4	3.93	3.97		4.12
PULL #5	3.99	3.93		4.18
TOTAL	20.15	19.97		20.59
AVG.	4.09	3.99		4.11

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 649 8789

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 and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	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							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.56	2.48	2.52	2.42	2.51	11/22/95	WLB
	C) Function							
660	Pack							



MODEL 700™ M24

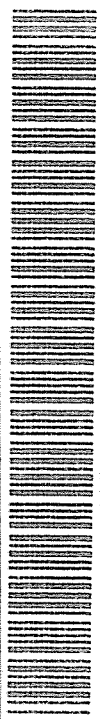
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



REG. U.S. PAT. & T.M. OFF.

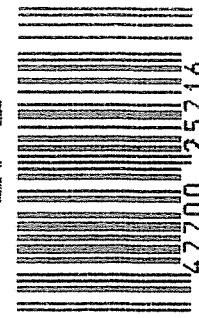
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. C6498789	ORDER NO. 5716
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5716 C6498789

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498789

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12	90	RW
600	Proof	7 12	90	RW
607	Check Headspace	7 12	90	RW
610	Dis-assemble Gun	7 12	90	RW
612	Magnaflux Barrel Action		7-17-90	K.R.
	Magnaflux Bolt		7-17-90	K.R.
615	Rollmark Caliber		7-17-90	L.S.
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel LB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7-26-90	LB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/23/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			8/23/90	WB
	G) Safety Off Force	2	2	2			8/23/90	WB
	H) Trigger Pull Test & Retainability						8/23/90	WB
	I) Firing Pin Indent	.022	.021	.0215			8/23/90	WB
	J) Assemble Stock						8/23/90	RW
	K) Assemble Swivel Studs						8/23/90	JB
	L) Attach Front and Rear Sight Assemblies						8/23/90	RW
	M) Iron Sight Alignment						8/23/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/23/90	RW
	O) Attach Scope to Rifle						8/23/90	RW
	P) Detach & Attach Scope 20 Times						8/23/90	RW
640	Gallery Target & Test						8/23/90	KJ
	A) Time						8/23/90	KJ
	B) Malfunctions						8/23/90	KJ
	C) Pierced Primers						8/23/90	KJ
	D) Optical Clarity of Scope						8/23/90	KJ
645	Inspect for Live Ammo						8/23/90	KJ
655	Final Inspection							
	A) Headspace						8/31/90	JB
	B) Trigger Pull	2.60	2.52	2.55	2.51	2.54	8/31/90	JP
	C) Function						8/31/90	JB
660	Pack						12-18-90	D/H

SWS TRIGGER PULL TEST

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

SERIAL NO. C6498789
DATE 8/23/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.36	2.42	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.40	2.41	2.62	
PULL #3	2.42	2.24	2.38	2.55	
PULL #4	2.20	2.29	2.38	2.51	
PULL #5	2.22	2.29	2.35	2.54	
TOTAL	11.41	11.58	11.94	12.82	
AVG.	2.28	2.31	2.19	2.564	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.41		
PULL #2	3.12	3.30		
PULL #3	3.32	3.45		
PULL #4	3.34	3.44		
PULL #5	3.33	3.30		
TOTAL	16.38	15.90		
AVG.	3.28	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.42		4.36
PULL #2	4.39	4.35		4.35
PULL #3	4.31	4.35		4.33
PULL #4	4.34	4.33		4.38
PULL #5	4.33	4.32		4.36
TOTAL	21.50	21.77		21.78
AVG.	4.30	4.35		4.35

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498789
24 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.930201
1 TO	2	1.44489
1 TO	3	.242244
1 TO	4	1.78195
1 TO	5	1.2595

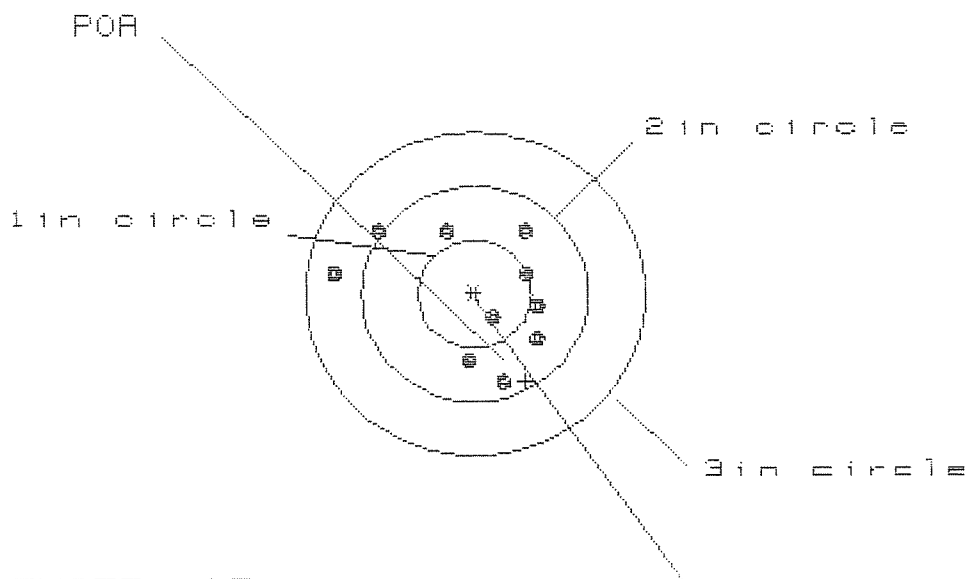
13 5
+ (----POA
2 4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2378
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .23
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .330831
THE AMR FOR THIS RIFLE IS: .8982

24 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B7B9

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 9

3 in = 10

HS= 1.846

VS= 1.338

GS= 1.861

CENTROID *

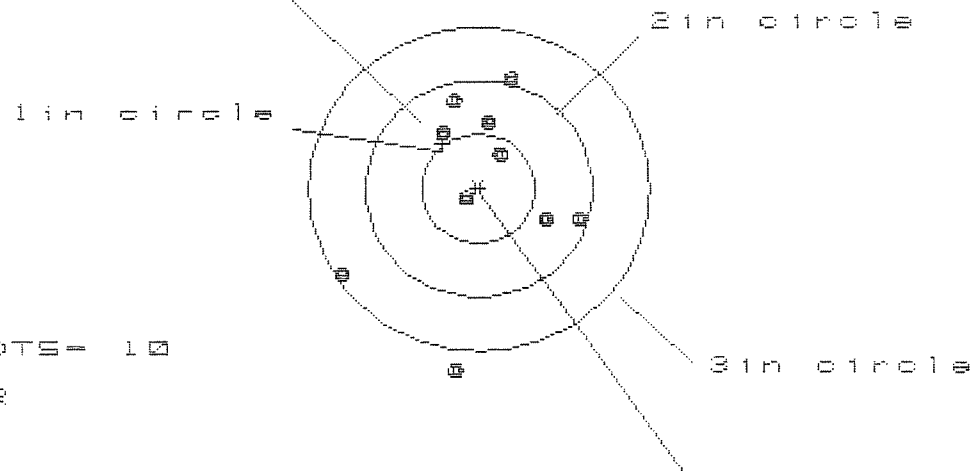
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.588	.448	.338
MINIMUM X	:	-1.258	-.944	-.491
MAXIMUM Y	:	.566	.584	.651
MINIMUM Y	:	-.772	-.754	-.681
CENTROID X	:	-.452	-.312	-.194
CENTROID Y	:	.813	.795	.722
POA TO CENTROID in.	:	.930	.854	.748
MIN RADIUS	:	.241	.190	.177
MEAN RADIUS	:	.694	.597	.503
MAX RADIUS	:	1.268	1.110	.815
HORIZONTAL SPREAD	:	1.846	1.392	.821
VERTICAL SPREAD	:	1.338	1.338	1.332
EXTREME SPREAD	:	1.861	1.687	1.408
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	10		

24 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/0649B7B9

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.097

VS= 2.644

GS= 2.697

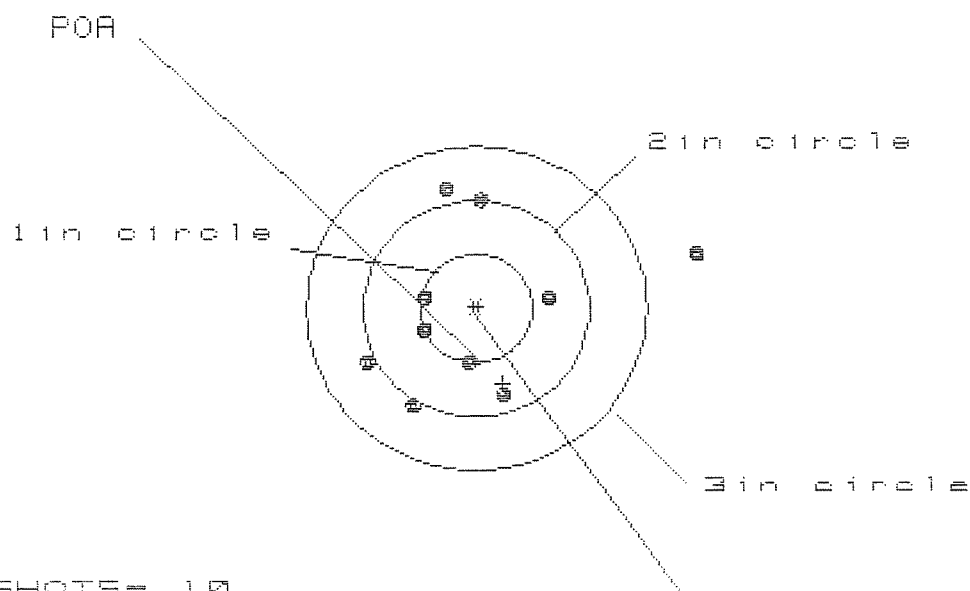
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.910	.882	.730
MINIMUM X	:	-1.187	-1.215	-.452
MAXIMUM Y	:	.968	.782	.656
MINIMUM Y	:	-1.676	-1.008	-.629
CENTROID X	:	.311	.339	.491
CENTROID Y	:	-.414	-.228	-.102
POA TO CENTROID in.	:	.518	.409	.502
MIN RADIUS	:	.138	.194	.007
MEAN RADIUS	:	.828	.688	.537
MAX RADIUS	:	1.695	1.579	.963
HORIZONTAL SPREAD	:	2.097	2.097	1.182
VERTICAL SPREAD	:	2.644	1.790	1.285
EXTREME SPREAD	:	2.697	2.312	1.593
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

24 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B7B9

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.952

VS= 1.939

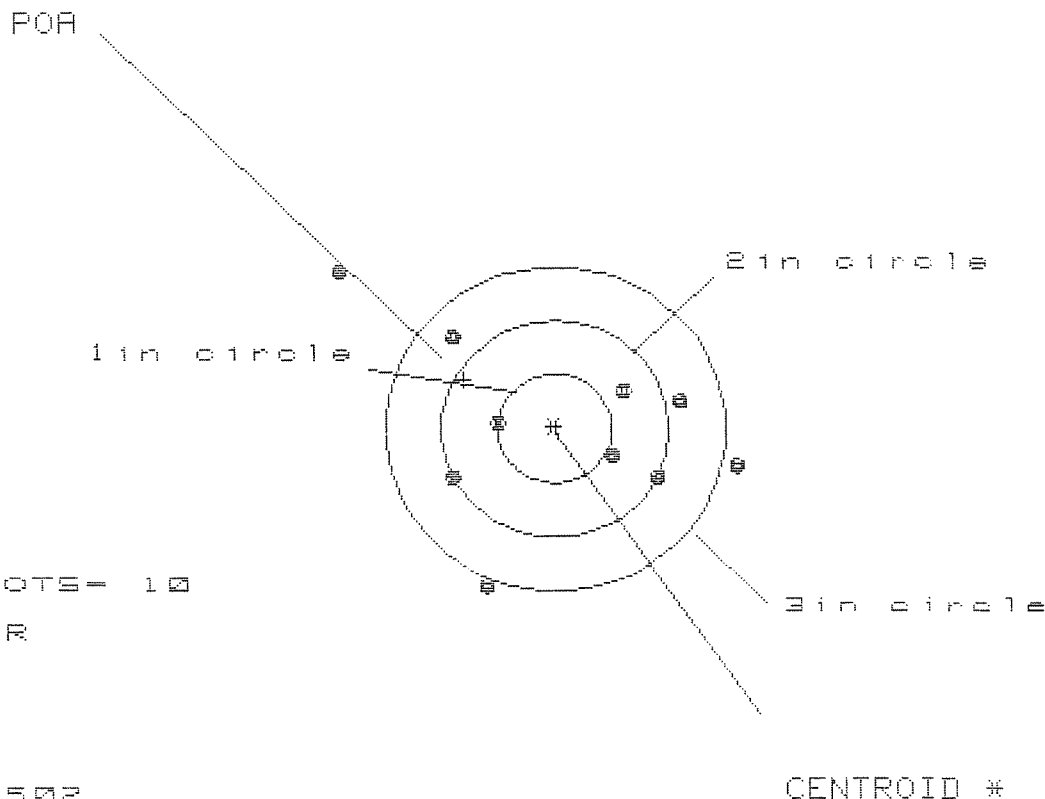
GS= 3.117

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.968	.810	.714
MINIMUM X	:	-.984	-.765	-.427
MAXIMUM Y	:	1.077	1.130	1.070
MINIMUM Y	:	-.862	-.809	-.869
CENTROID X	:	-.241	-.460	-.364
CENTROID Y	:	.694	.641	.701
POA TO CENTROID in.	:	.735	.789	.790
MIN RADIUS	:	.469	.299	.407
MEAN RADIUS	:	.915	.745	.735
MAX RADIUS	:	2.025	1.130	1.078
HORIZONTAL SPREAD	:	2.952	1.575	1.141
VERTICAL SPREAD	:	1.939	1.939	1.939
EXTREME SPREAD	:	3.117	1.962	1.962
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

24 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498789

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 3.502

VS= 2.932

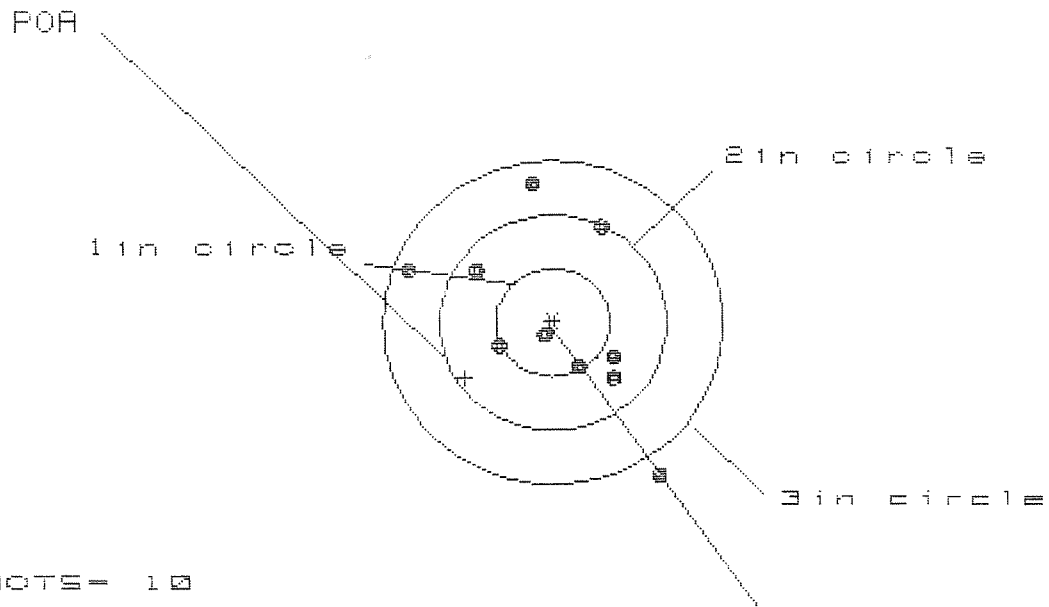
GS= 3.966

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.631	1.423	1.102
MINIMUM X	:	-1.871	-1.110	-.932
MAXIMUM Y	:	1.482	1.015	.980
MINIMUM Y	:	-1.450	-1.285	-1.312
CENTROID X	:	.800	1.008	.830
CENTROID Y	:	-.455	-.620	-.593
POA TO CENTROID in.	:	.920	1.183	1.020
MIN RADIUS	:	.521	.310	.489
MEAN RADIUS	:	1.177	1.004	.957
MAX RADIUS	:	2.387	1.525	1.461
HORIZONTAL SPREAD	:	3.502	2.533	2.034
VERTICAL SPREAD	:	2.932	2.300	2.300
EXTREME SPREAD	:	3.966	2.815	2.447
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.200

VS= 2.675

GS= 2.902

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.923	.642	.495
MINIMUM X	:	-1.277	-1.174	-.738
MAXIMUM Y	:	1.267	1.110	1.148
MINIMUM Y	:	-1.408	-.717	-.679
CENTROID X	:	.771	.668	.815
CENTROID Y	:	.512	.669	.631
POA TO CENTROID in.	:	.926	.945	1.030
MIN RADIUS	:	.149	.314	.274
MEAN RADIUS	:	.877	.804	.734
MAX RADIUS	:	1.684	1.213	1.174
HORIZONTAL SPREAD	:	2.200	1.816	1.233
VERTICAL SPREAD	:	2.675	1.827	1.827
EXTREME SPREAD	:	2.902	2.077	1.969
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	