

C6498814

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Number: RE00113048	Serial: C6498814 Model M24 SWS Center Fire Caliber: 7.62 NATO	Repairman:	Status: Closed 5/31/2006 10:19:31 AM
Verify Repair			
Address Information			
Customer: ☒ Received From		Return To: ☐ Received From	
Name: C CO SPT BN SWTG (A) POC JERRY SCREEN		C CO SPT BN SWTG (A) POC JERRY SCREEN	
Address 1: ARMAMENT FACILITY BLDG D-1307		ARMAMENT FACILITY BLDG D-1307	
Address 2: GRUBER ROAD PO Box:		GRUBER ROAD PO Box:	
City: FORT BRAGG		FORT BRAGG	
State: NC Zip Code: 28310 Country: US		State: NC Zip Code: 28310 Country: US	
FFL: ☐ ☐ ☐ ☐ ☐ ☐			
Contact / Condition	Problems	Estimate	History / Status
Shipping / Billing			
Contact Information		Received Condition	
Phone: NA		Fair	
Fax:		Condition Notes:	
Email:		CSR Notes:	
Comments:			
Accessories Received			
Code	Desc	Qty	
A007	With Stud	3	
A010	Hard Case	1	
A017	Scope Base	1	
A057	Frt and Rear Sgt Base	1	
Repair Search		Refresh	Close
nagletj	5/31/2006	10:31 AM	C&P'S
NUM	INS	SCRL	

start 2 Micros... 2 Micros... 3 Intern... Arms Ser... Part Sear... 10:31 AM

Serial Number: **C6498814**Model: **M24 SWS****RE00113048**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498814.__0
FILE DATE AND TIME: 03/07/2003 15:10

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.066
The Average Y Centroid of the Five Target Set:	-0.130
The Average Point of Impact of the Five Target Set:	0.146
The Average Mean Radius of the Five Target Set:	0.641
The Distance from POA to Centroid Target #1:	0.046
The Distance from Centroid Target #2 to Centroid Target #1:	0.262
The Distance from Centroid Target #3 to Centroid Target #1:	0.159
The Distance from Centroid Target #4 to Centroid Target #1:	0.177
The Distance from Centroid Target #5 to Centroid Target #1:	0.130

SERIAL NUMBER: C6498814. __0

TARGET NUMBER: 1

FILE DATE: 03/07/2003

FILE TIME: 15:10

X CENTROID: -0.040

Y CENTROID: -0.022

POA TO CENTROID: 0.046

HORZ SPREAD: 1.361

VERT SPREAD: 1.908

GROUP SPREAD: 1.917

MIN RADIUS: 0.453

MAX RADIUS: 1.287

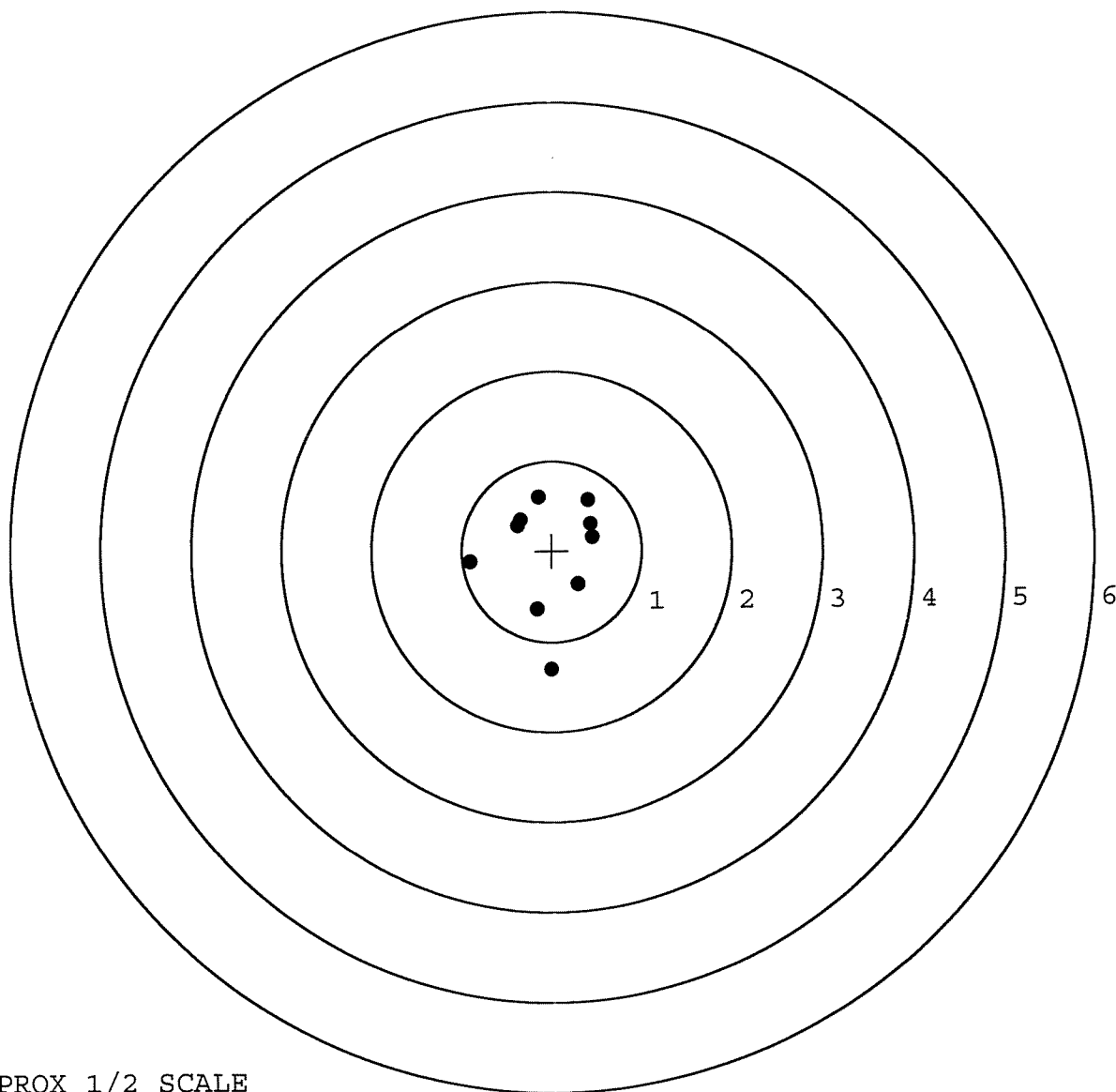
MEAN RADIUS: 0.666

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.014	-1.309
2:	-0.170	-0.641
3:	0.291	-0.371
4:	0.449	0.148
5:	0.433	0.297
6:	0.402	0.562
7:	-0.149	0.599
8:	-0.382	0.275
9:	-0.912	-0.126
10:	-0.351	0.343



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498814. __0

TARGET NUMBER: 2

FILE DATE: 03/07/2003

FILE TIME: 15:10

X CENTROID: -0.127

Y CENTROID: -0.270

POA TO CENTROID: 0.298

HORZ SPREAD: 1.419

VERT SPREAD: 2.156

GROUP SPREAD: 2.267

MIN RADIUS: 0.206

MAX RADIUS: 1.515

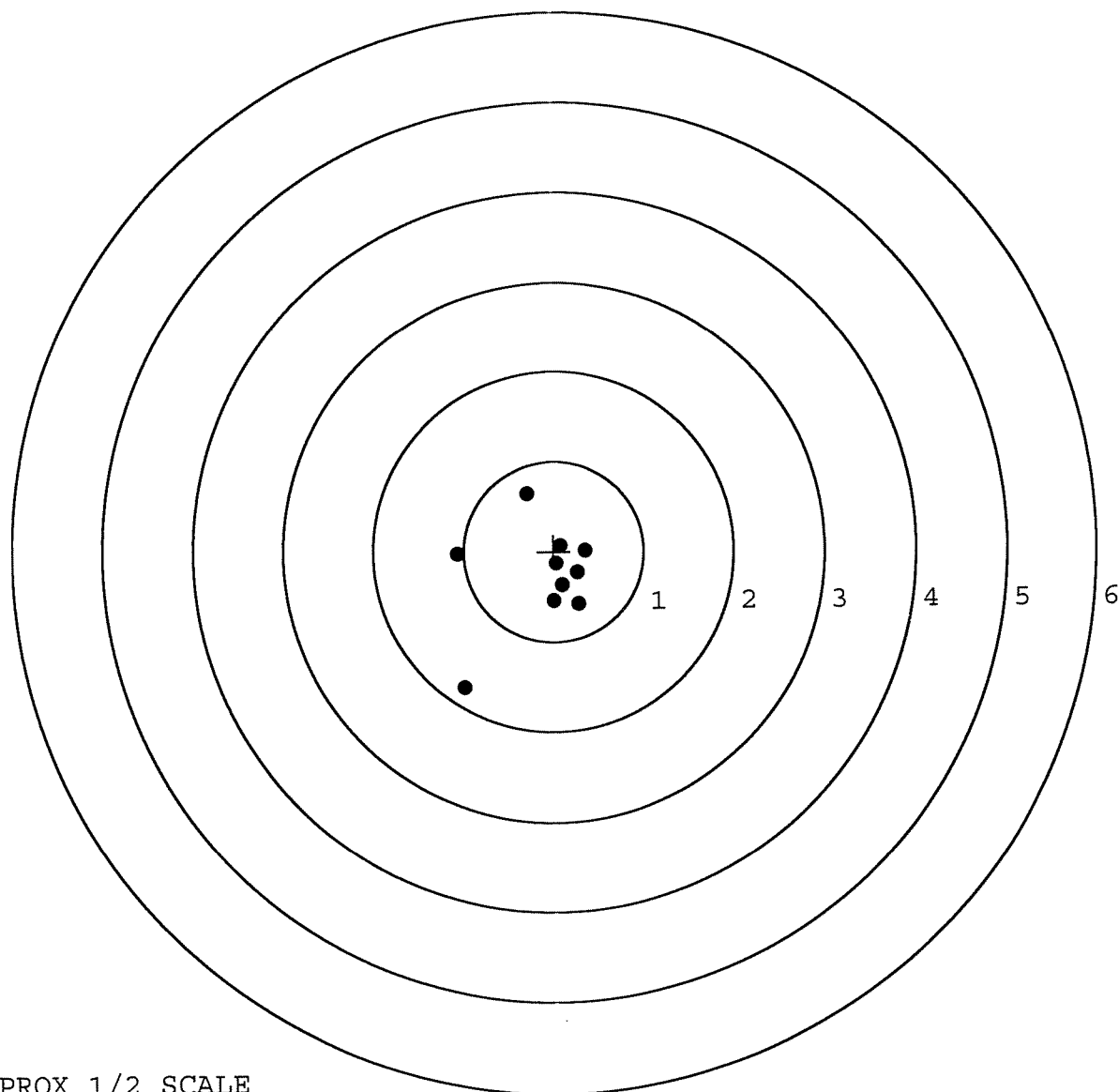
MEAN RADIUS: 0.602

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.997	-1.510
2:	-1.068	-0.027
3:	-0.296	0.646
4:	0.351	0.009
5:	0.076	0.064
6:	0.031	-0.137
7:	0.262	-0.234
8:	0.099	-0.379
9:	0.275	-0.583
10:	-0.002	-0.548

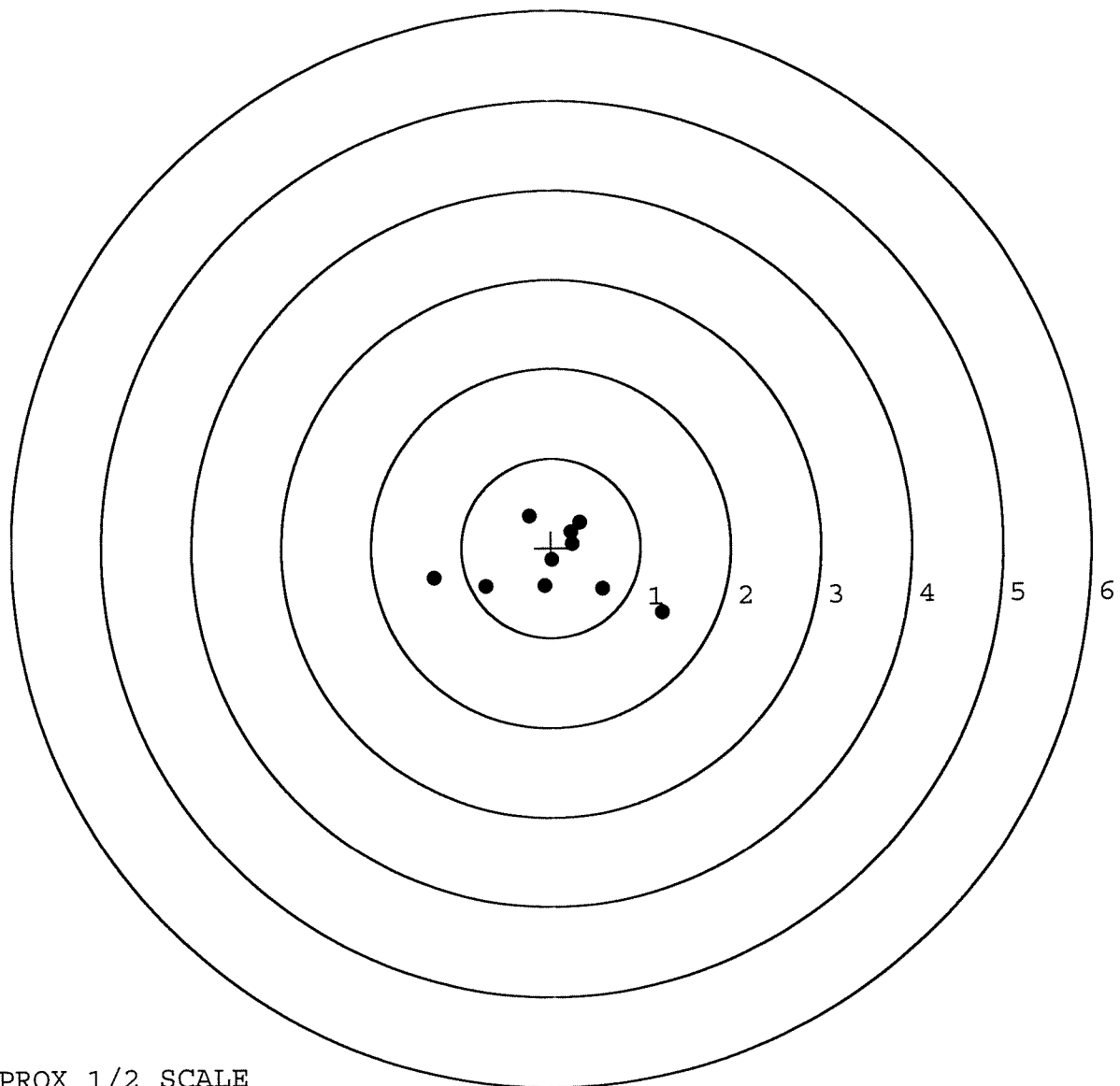


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498814. __0
 TARGET NUMBER: 3
 FILE DATE: 03/07/2003
 FILE TIME: 15:10

X CENTROID: 0.025
 Y CENTROID: -0.167
 POA TO CENTROID: 0.169
 HORZ SPREAD: 2.539
 VERT SPREAD: 1.095
 GROUP SPREAD: 2.570
 MIN RADIUS: 0.032
 MAX RADIUS: 1.340
 MEAN RADIUS: 0.623
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.238	-0.736
2:	0.567	-0.461
3:	-0.079	-0.430
4:	-0.727	-0.428
5:	-1.301	-0.337
6:	-0.246	0.359
7:	0.009	-0.140
8:	0.321	0.283
9:	0.225	0.175
10:	0.239	0.040



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498814. __0

TARGET NUMBER: 4

FILE DATE: 03/07/2003

FILE TIME: 15:10

X CENTROID: -0.214

Y CENTROID: -0.058

POA TO CENTROID: 0.221

HORZ SPREAD: 2.238

VERT SPREAD: 1.651

GROUP SPREAD: 2.255

MIN RADIUS: 0.075

MAX RADIUS: 1.250

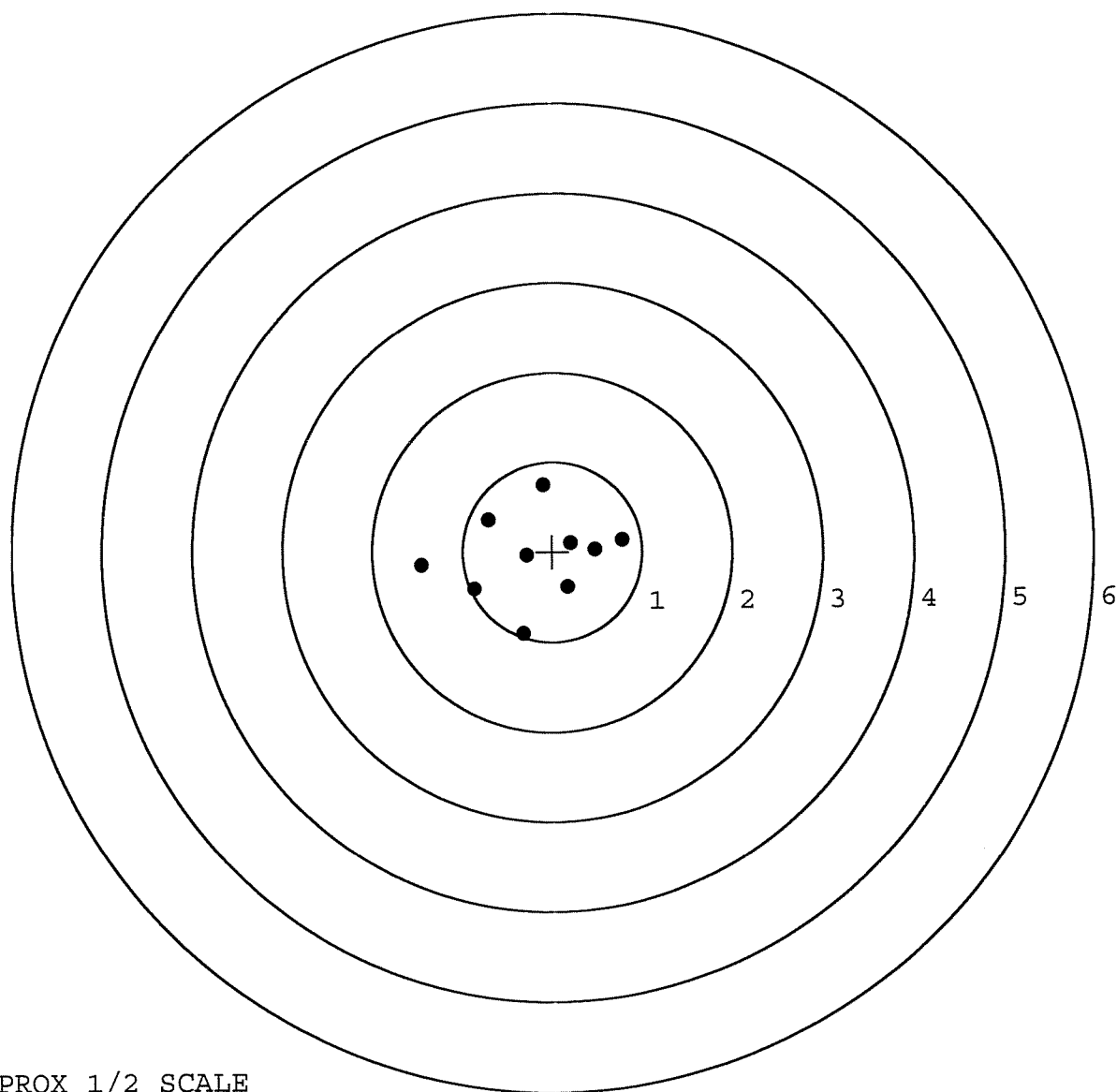
MEAN RADIUS: 0.704

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.168	-0.395
2:	0.778	0.127
3:	0.475	0.022
4:	0.205	0.094
5:	-0.333	-0.908
6:	-0.288	-0.045
7:	-0.867	-0.420
8:	-0.711	0.354
9:	-0.104	0.743
10:	-1.460	-0.149



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498814. __0

TARGET NUMBER: 5

FILE DATE: 03/07/2003

FILE TIME: 15:10

X CENTROID: 0.024

Y CENTROID: -0.135

POA TO CENTROID: 0.137

HORZ SPREAD: 1.460

VERT SPREAD: 1.639

GROUP SPREAD: 1.646

MIN RADIUS: 0.199

MAX RADIUS: 0.889

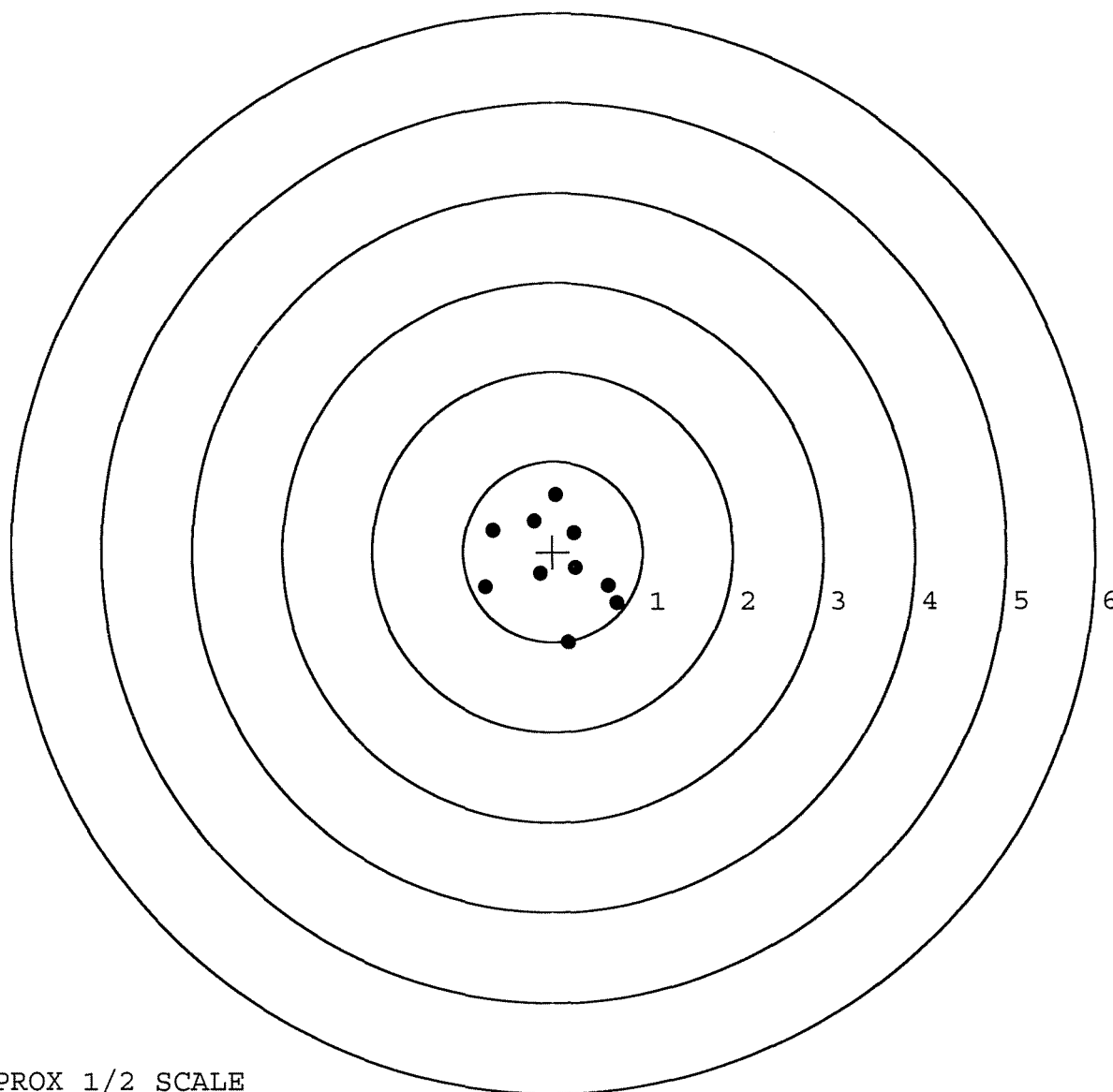
MEAN RADIUS: 0.607

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.709	-0.572
2:	0.614	-0.379
3:	0.178	-1.010
4:	-0.751	-0.391
5:	-0.141	-0.246
6:	0.250	-0.177
7:	0.235	0.217
8:	-0.219	0.341
9:	0.028	0.629
10:	-0.662	0.240



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN

INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

DATE 6-12-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.50	2.46		2.47	
PULL #2	2.49	2.43		2.46	
PULL #3	2.63	2.44		2.42	
PULL #4	2.58	2.35		2.44	
PULL #5	2.56	2.34		2.41	
TOTAL	12.76	12.02		12.20	
AVERAGE	2.55	2.40		2.44	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.02		
PULL #2	3.03	3.10		
PULL #3	3.03	3.06		
PULL #4	3.06	2.99		
PULL #5	2.97	2.95		
TOTAL	15.23	15.12		
AVERAGE	3.04	3.02		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.08	4.09		4.07
PULL #2	4.11	4.07		4.03
PULL #3	4.06	4.09		4.03
PULL #4	3.97	3.93		4.04
PULL #5	4.11	4.00		3.99
TOTAL	20.33	20.18		20.16
AVERAGE	4.06	4.03		4.03

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	113048	FORT Bragg		
SERIAL NUMBER	C6498814			
LOG-IN DATE	5-31-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-13-06	AC
505	RE-BARREL		6-15-06	K
560	ASSEMBLE		6-22-06	K
600	PROOF	MAGNA-FLUX INSPECTED	6-22-06	K
605	CHECK HEADSPACE	JUN 27 2006	6-22-06	K
610	DIS-ASSEMBLE GUN		6-22-06	K
612	MAGNAFLUX	OPERATOR <i>[Signature]</i>	6-27-06	APD
510	DRILL AND TAP		6-26-06	TRW
615	ROLLMARK CALIBER		6-27-06	CLW
618	ROTO-BLAST		6-29-06	LB
620	APPLY COATINGS		7/6	HP
625	FINAL ASSEMBLY		7-11-06	AC
640	FUNCTION TEST AND	PASS FAIL	7-12-06	L.P.D.
650	TARGET	PASS FAIL	7-12-06	L.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		7-13-06	L.P.D.
	A) HEADSPACE	PASS FAIL	7-13-06	L.P.D.
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.70 2.74 2.80 2.76 2.82	7-13-06 RA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6.5 6.5 6.5	7-13-06 RA
	G) SAFETY OFF FORCE	2 LBS MIN	3.0 3.0 3.0	7-13-06 RA
	I) FIRING PIN INDENT	.020	.022 .022 .023	7-13-06 RA
690	PACK		8-4-06	RA

start
Tracy - Microsoft
Calendar - IMB...
Shot Show 9 - M...
Arms Services R...
8:07 AM

Serial Number: C6498814

Model: 700



RE00061153

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

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The Distance from Centroid Target #4 to Centroid Target #1:	0.177
The Distance from Centroid Target #5 to Centroid Target #1:	0.130

SERIAL NUMBER: C6498814. __0

TARGET NUMBER: 1

FILE DATE: 03/07/2003

FILE TIME: 15:10

X CENTROID: -0.040

Y CENTROID: -0.022

POA TO CENTROID: 0.046

HORZ SPREAD: 1.361

VERT SPREAD: 1.908

GROUP SPREAD: 1.917

MIN RADIUS: 0.453

MAX RADIUS: 1.287

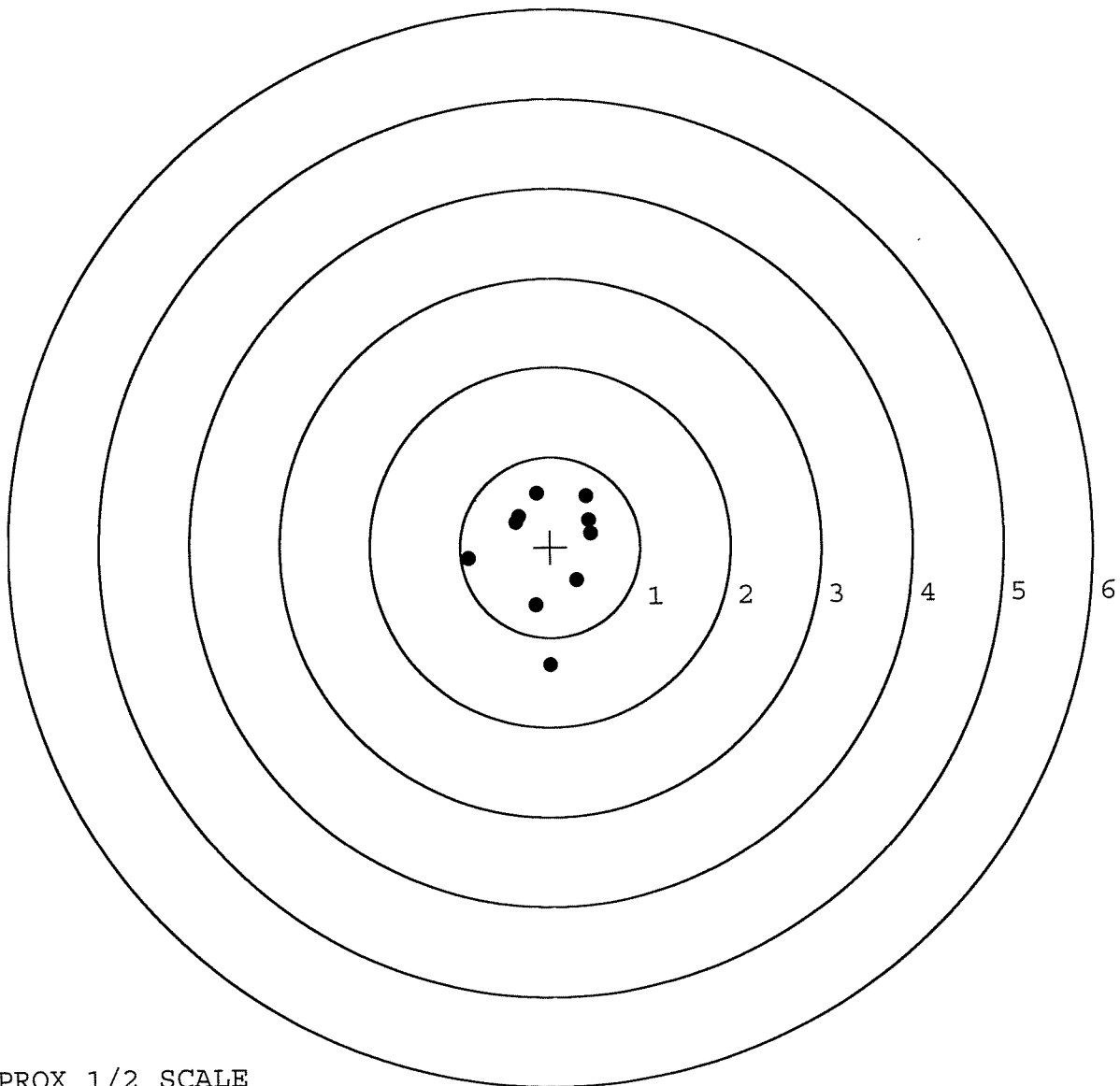
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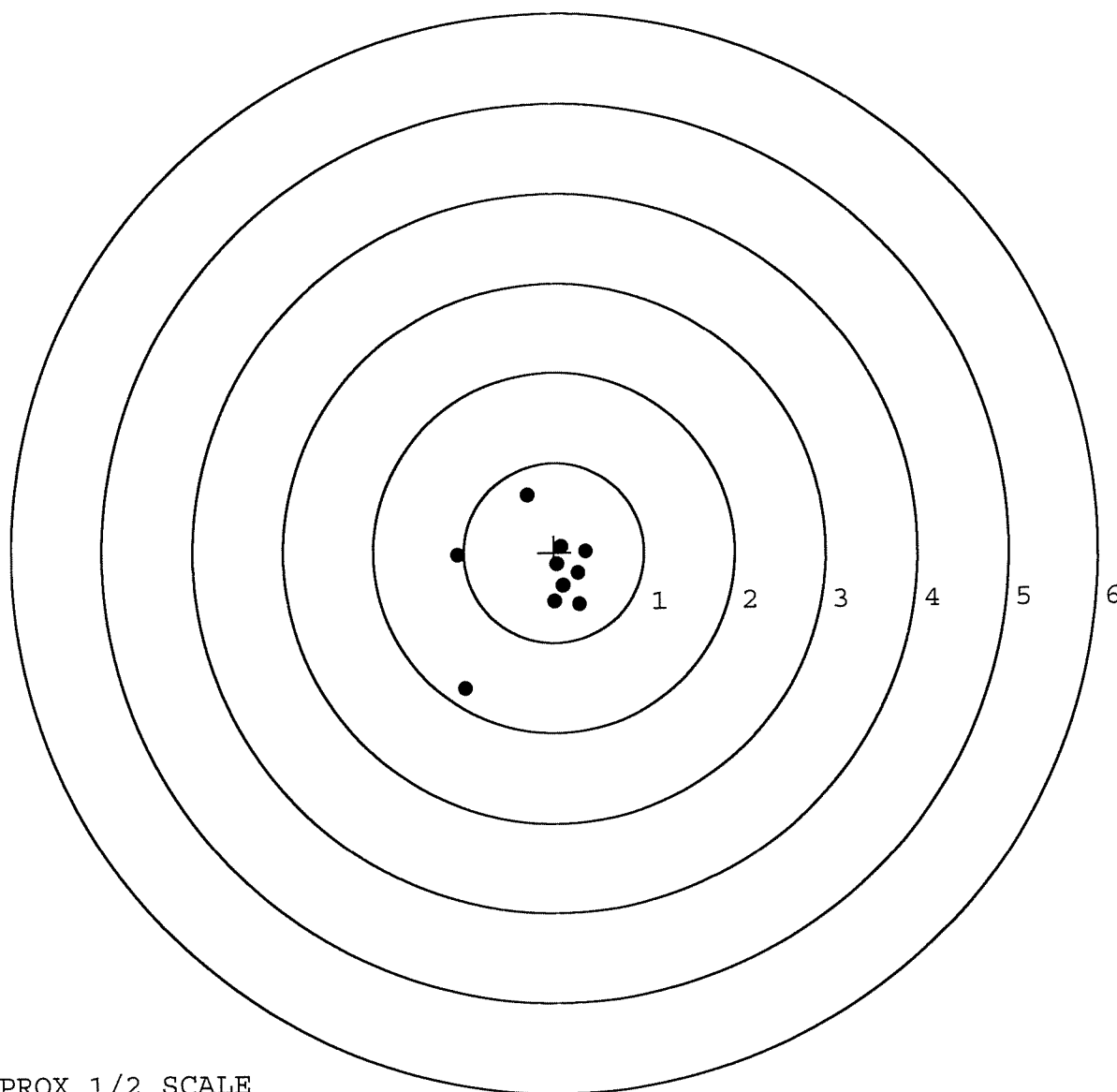


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498814. __0
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FILE DATE: 03/07/2003
FILE TIME: 15:10

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Y CENTROID: -0.270
POA TO CENTROID: 0.298
HORZ SPREAD: 1.419
VERT SPREAD: 2.156
GROUP SPREAD: 2.267
MIN RADIUS: 0.206
MAX RADIUS: 1.515
MEAN RADIUS: 0.602
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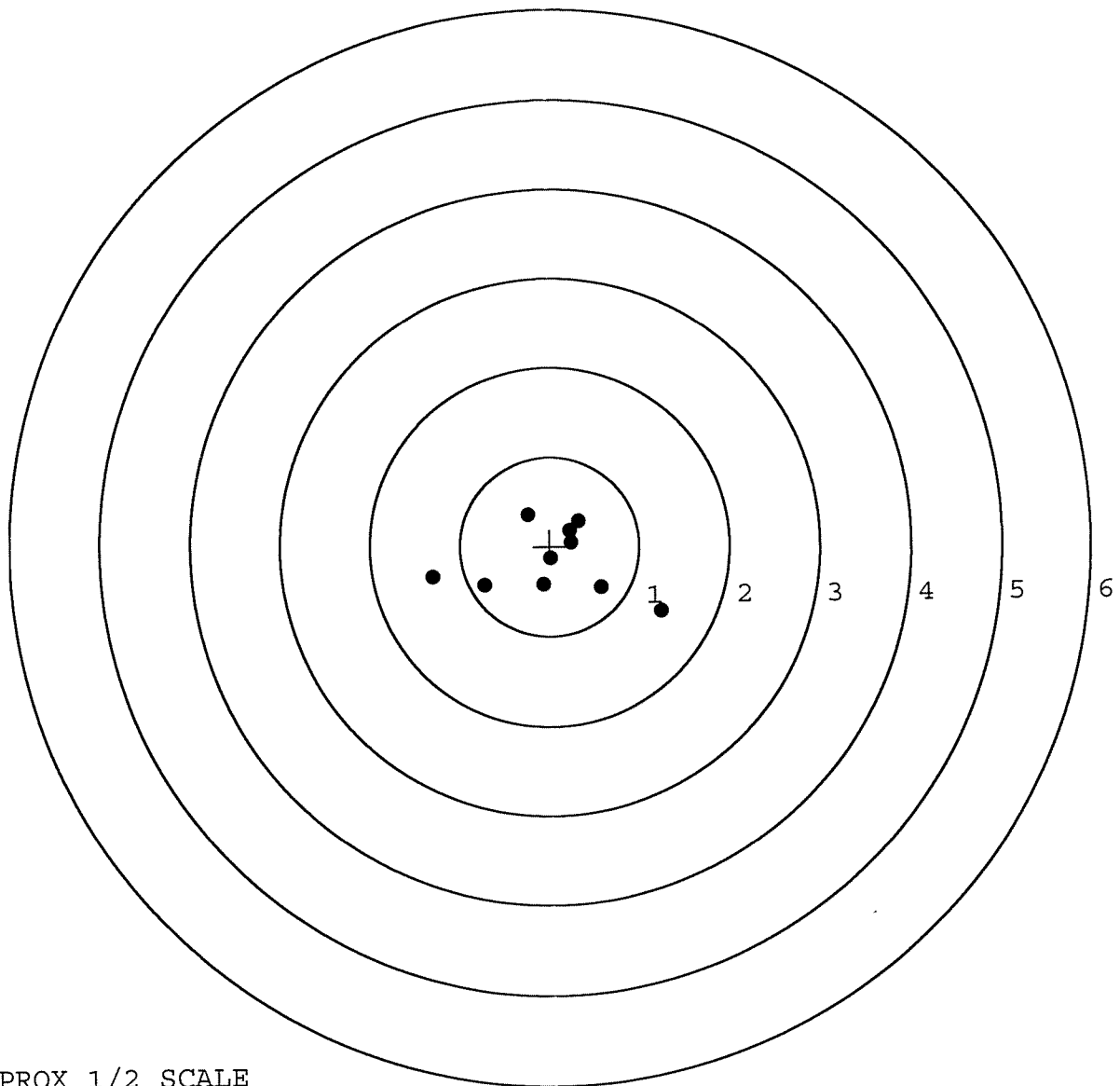
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VERT SPREAD: 1.095
GROUP SPREAD: 2.570
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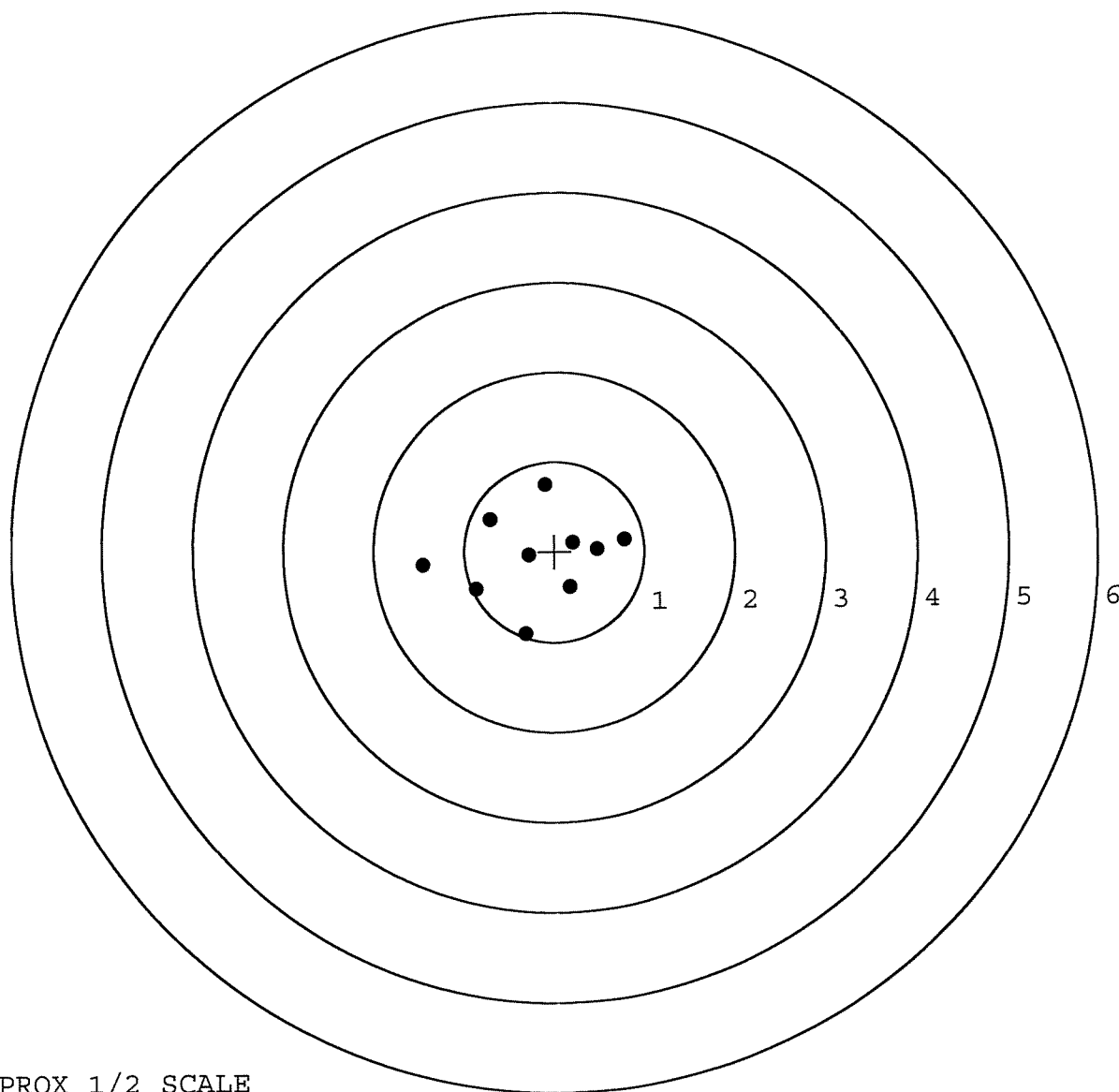


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 POA TO CENTROID: 0.221
 HORZ SPREAD: 2.238
 VERT SPREAD: 1.651
 GROUP SPREAD: 2.255
 MIN RADIUS: 0.075
 MAX RADIUS: 1.250
 MEAN RADIUS: 0.704
 # IN 1 IN DIAMETER: 2
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7:	-0.867	-0.420
8:	-0.711	0.354
9:	-0.104	0.743
10:	-1.460	-0.149



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498814. __0

TARGET NUMBER: 5

FILE DATE: 03/07/2003

FILE TIME: 15:10

X CENTROID: 0.024

Y CENTROID: -0.135

POA TO CENTROID: 0.137

HORZ SPREAD: 1.460

VERT SPREAD: 1.639

GROUP SPREAD: 1.646

MIN RADIUS: 0.199

MAX RADIUS: 0.889

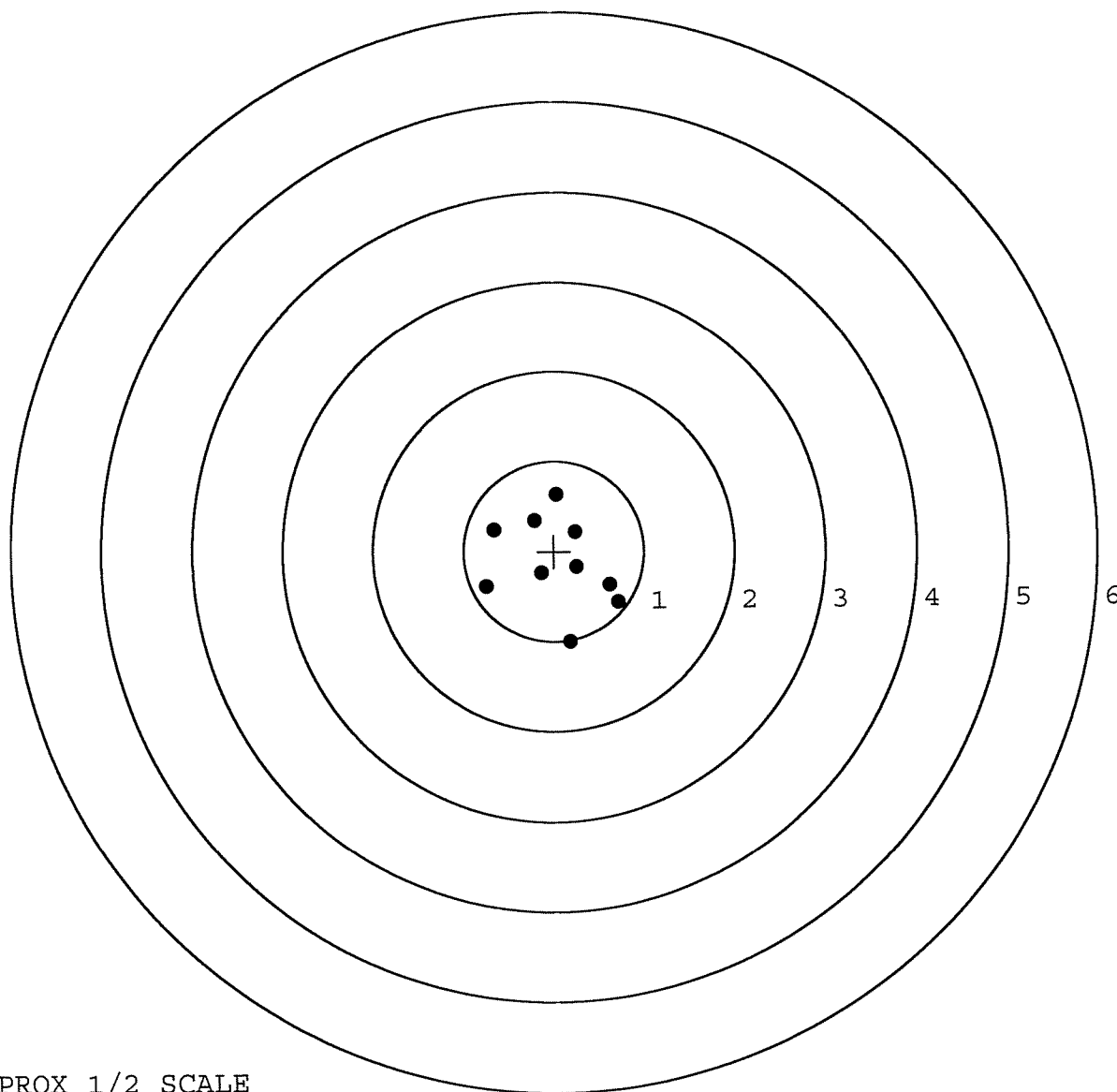
MEAN RADIUS: 0.607

IN 1 IN DIAMETER: 3

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in 3 IN DIAMETER: 10

POINT#	X	Y
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3:	0.178	-1.010
4:	-0.751	-0.391
5:	-0.141	-0.246
6:	0.250	-0.177
7:	0.235	0.217
8:	-0.219	0.341
9:	0.028	0.629
10:	-0.662	0.240



TARGET APPROX 1/2 SCALE

SERIAL #

C6498814

INSPECTED BY:

RHL

DATE REC'D:

2-5-03

DATE RET'D:

3-10-03

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☒ SCOPE CASE
☒ IRON SIGHTS
☒ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

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

R & E NUMBER	61153		
SERIAL NUMBER	C6498814		
LOG-IN DATE	2/5/03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2/7/03	RW
560 A	RE-BARREL	2/12/03	RTL
B	DRILL AND TAP	2-20-03	TRW
575	ASSEMBLE	2-13-03	RTL
600	PROOF	2-13-03	AC
605	CHECK HEADSPACE	2-13-03	AC
610	DIS-ASSEMBLE GUN	2-14-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	2/19/03	B3
618	ROTO-BLAST	2-26-03	AD
620	APPLY COATINGS	3-3	TA
625 A	FINAL ASSEMBLY	3-5-03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-6-03	AC
655	FINAL INSPECT	3-10-03	RTL
660	PACK	3-11-03	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6498814

ORDER NO.
5716

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

01



5716 C6498814

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M24090008233

BARBER - M24 0008194

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498814

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 29	90	RW
600	Proof	6 29	90	RW
607	Check Headspace	6 29	90	RW
610	Dis-assemble Gun	6 29	90	RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	KR
615	Rollmark Caliber		7-12-90	L.S.
617	Drill and Tap Sight Holes		7/13/90	FB
618	Polish Barrel RB		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/90	RW
	C) Inspect Ejector Hole for Chamfer		7/25/90	RW
	D) Oil Firing Pin Ass'y		7/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/17/90	RM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/9/90	JK
	G) Safety Off Force	3	3	3			8/9/90	JK
	H) Trigger Pull Test & Retainability						8/17/90	JK
	I) Firing Pin Indent	.022	.0215	.0215			8/9/90	JK
	J) Assemble Stock						8/20/90	RW
	K) Assemble Swivel Studs						8/24/90	JS
	L) Attach Front and Rear Sight Assemblies						8/20/90	RW
	M) Iron Sight Alignment						8/20/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/20/90	RW
	O) Attach Scope to Rifle						8/20/90	RW
	P) Detach & Attach Scope 20 Times						8/20/90	RW
640	Gallery Target & Test						8/20/90	NF
	A) Time						8/20/90	NF
	B) Malfunctions						8/20/90	NF
	C) Pierced Primers						8/20/90	NF
	D) Optical Clarity of Scope						8/20/90	NF
645	Inspect for Live Ammo						8/20/90	NF
655	Final Inspection							
	A) Headspace						8/24/90	JS
	B) Trigger Pull	2.43	2.40	2.36	2.30	2.35	8/21/90	JK
	C) Function							
660	Pack						8/20/90	NF

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

SERIAL NO. C6498814DATE 8/17/90TESTER 921

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	¹ 2.33	³ 2.39	¹ 2.47	¹ 2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.17	2.39	2.40	2.40	
PULL #3	2.13	2.46	2.31	2.36	
PULL #4	2.18	2.36	2.38	2.30	
PULL #5	2.20	2.39	2.33	2.35	
TOTAL	11.01	11.99	11.89	11.84	
AVG.	2.202	2.398	2.378	2.368	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	¹ 3.21	¹ 3.21		
PULL #2	3.20	3.16		
PULL #3	3.23	3.25		
PULL #4	3.19	3.20		
PULL #5	3.20	3.21		
TOTAL	16.03	16.03		
AVG.	3.206	3.206		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	³ 4.19	¹ 4.37		¹ 4.31
PULL #2	4.35	4.35		4.23
PULL #3	4.36	4.32		4.20
PULL #4	4.37	4.28		4.20
PULL #5	4.35	4.37		4.21
TOTAL	21.62	21.69		21.15
AVG.	4.324	4.338		4.23

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498814
21 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.319615
1 TO	2	.394062
1 TO	3	.291494
1 TO	4	.276031
1 TO	5	.25045

1/4 <----POA

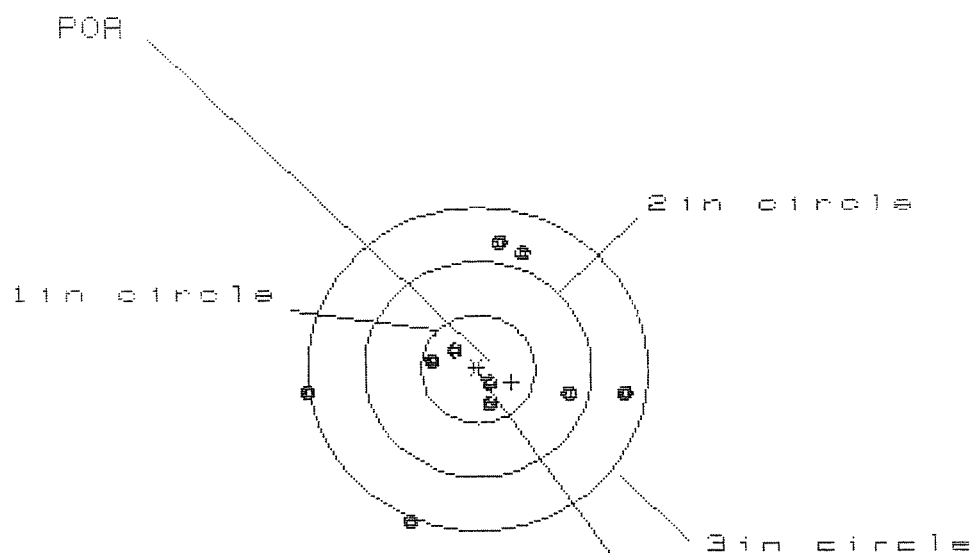
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.073
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0542
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0909211
THE AMR FOR THIS RIFLE IS: .913

28 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498814

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 5

3 in = 8

HS= 2.833

VS= 2.588

GS= 2.834

CENTROID *

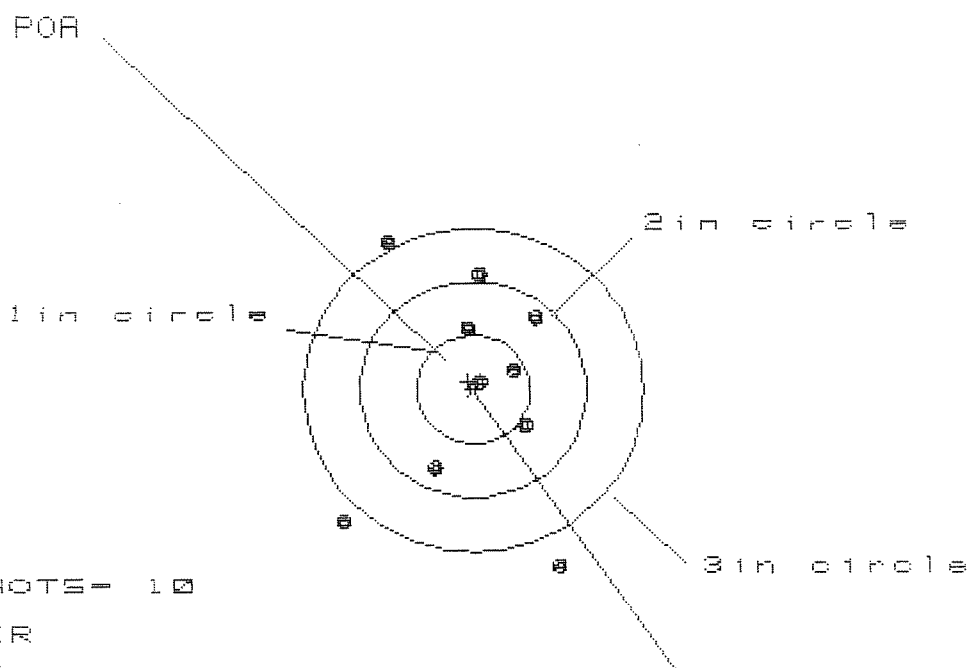
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.312	1.142	1.042
MINIMUM X	:	-1.522	-.801	-.701
MAXIMUM Y	:	1.202	1.172	.994
MINIMUM Y	:	-1.386	-1.416	-.555
CENTROID X	:	-.295	-.126	-.026
CENTROID Y	:	.123	.153	.330
POA TO CENTROID in.	:	.320	.199	.332
MIN RADIUS	:	.113	.176	.377
MEAN RADIUS	:	.877	.808	.728
MAX RADIUS	:	1.546	1.627	1.119
HORIZONTAL SPREAD	:	2.833	1.943	1.743
VERTICAL SPREAD	:	2.588	2.588	1.550
EXTREME SPREAD	:	2.834	2.707	1.811
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

28 Aug 1998

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CENTERFIRE PATTERNS

2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS= 1.875

VS= 3.011

GS= 3.371

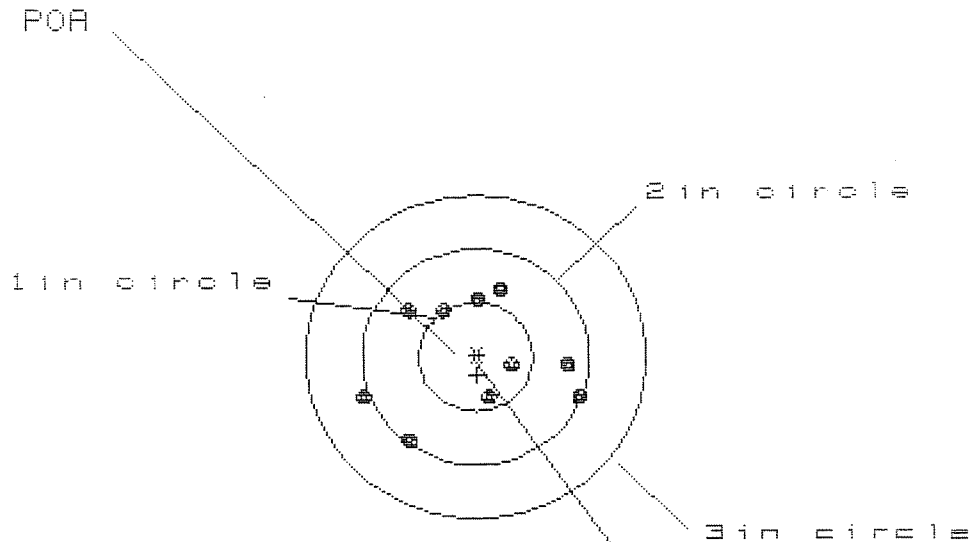
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.773	.652	.525
MINIMUM X	:	-1.102	-1.016	-.784
MAXIMUM Y	:	1.379	1.197	1.022
MINIMUM Y	:	-1.633	-1.398	-1.127
CENTROID X	:	.048	-.038	.089
CENTROID Y	:	-.071	.111	.286
POA TO CENTROID in.	:	.085	.117	.299
MIN RADIUS	:	.135	.198	.264
MEAN RADIUS	:	.942	.834	.677
MAX RADIUS	:	1.806	1.728	1.288
HORIZONTAL SPREAD	:	1.875	1.668	1.309
VERTICAL SPREAD	:	3.011	2.595	2.149
EXTREME SPREAD	:	3.371	2.620	2.193
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

28 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6498814

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.904

VS= 1.390

GS= 1.905

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.939	.831	.817
MINIMUM X	:	-.966	-.702	-.598
MAXIMUM Y	:	.642	.604	.549
MINIMUM Y	:	-.748	-.786	-.841
CENTROID X	:	-.007	.100	-.004
CENTROID Y	:	.168	.206	.261
POA TO CENTROID in.	:	.168	.229	.261
MIN RADIUS	:	.299	.224	.340
MEAN RADIUS	:	.703	.652	.612
MAX RADIUS	:	1.025	1.041	1.021
HORIZONTAL SPREAD	:	1.904	1.533	1.415
VERTICAL SPREAD	:	1.390	1.390	1.390
EXTREME SPREAD	:	1.905	1.767	1.603
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

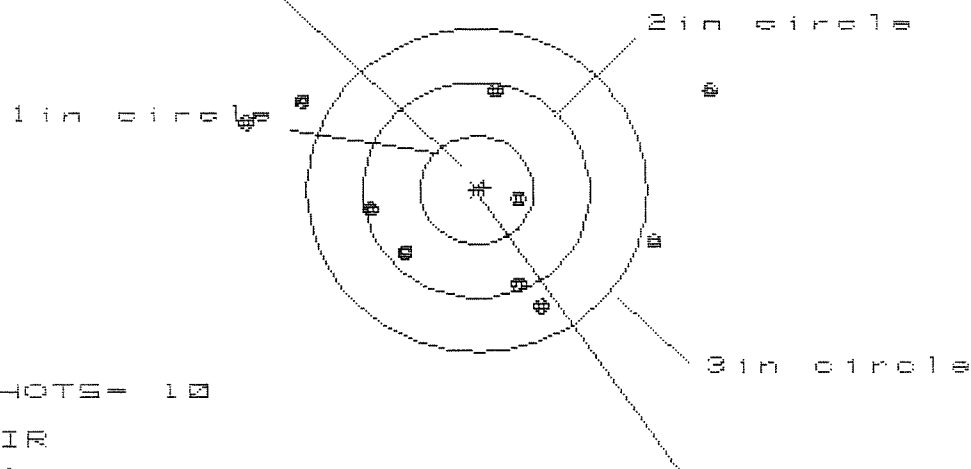
28 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B814

CENTERFIRE PATTERNS

4

POA



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HS= 4.064

VS= 1.978

GS= 4.072

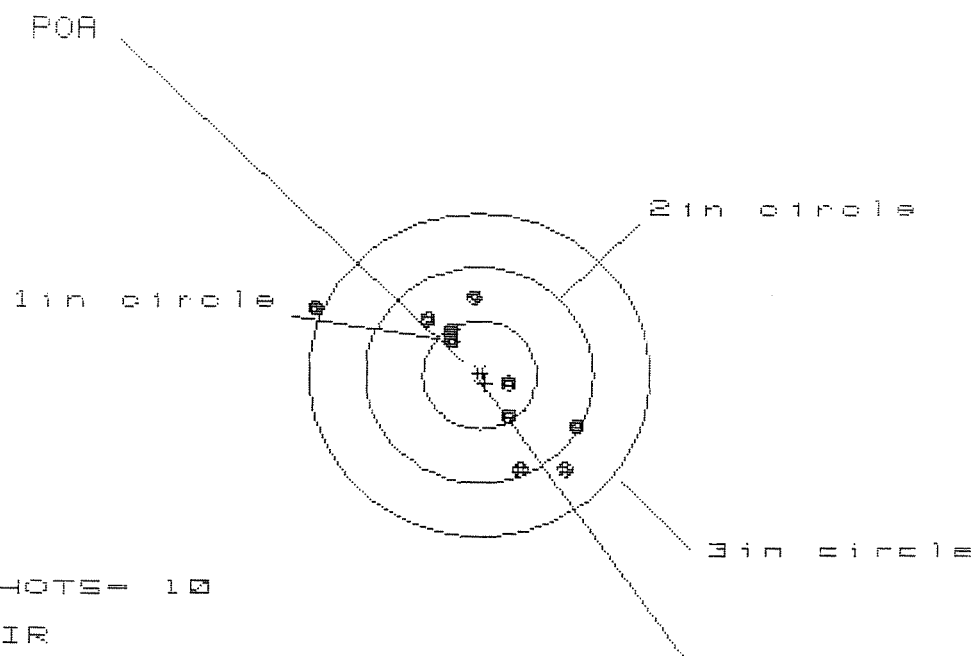
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.049	1.806	1.583
MINIMUM X	-2.015	-1.787	-1.537
MAXIMUM Y	.939	1.039	1.132
MINIMUM Y	-1.039	-.939	-.846
CENTROID X	-.062	-.290	-.067
CENTROID Y	-.025	-.125	-.218
POA TO CENTROID in.	.067	.316	.228
MIN RADIUS	.353	.559	.359
MEAN RADIUS	1.293	1.170	1.044
MAX RADIUS	2.237	1.937	1.823
HORIZONTAL SPREAD	4.064	3.593	3.120
VERTICAL SPREAD	1.978	1.978	1.978
EXTREME SPREAD	4.072	3.777	3.381
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		

28 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498814

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 2.233

VS= 1.613

GS= 2.579

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.810	.652	.723
MINIMUM X	:	-1.423	-.615	-.544
MAXIMUM Y	:	.701	.768	.672
MINIMUM Y	:	-.912	-.845	-.941
CENTROID X	:	-.049	.109	.038
CENTROID Y	:	.076	.009	.105
POA TO CENTROID in.	:	.090	.109	.112
MIN RADIUS	:	.230	.080	.152
MEAN RADIUS	:	.750	.643	.598
MAX RADIUS	:	1.543	.952	.986
HORIZONTAL SPREAD	:	2.233	1.267	1.267
VERTICAL SPREAD	:	1.613	1.613	1.613
EXTREME SPREAD	:	2.579	1.796	1.678
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	