C6225531

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

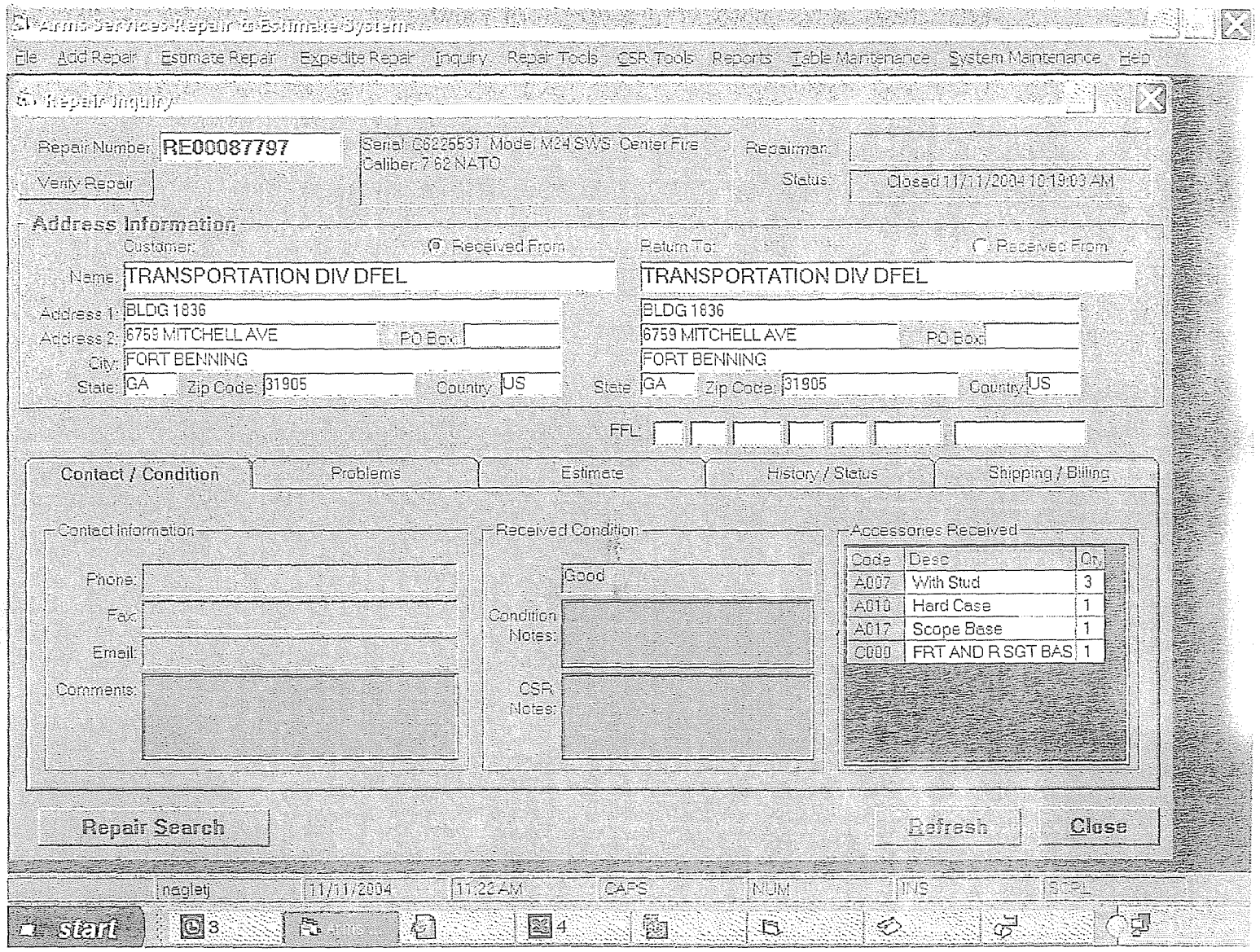
Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®

Smead®


Armo Services Repair to Estimate System
File Add Repair Esimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help
Repair Inquiry
Repair Number: RE00087797
Verify Repair
Serial: C6225531 Model: M24 SWS Center Fire
Caliber: 7.62 NATO
Repairman:
Status: Closed 11/11/2004 10:19:03 AM
Address Information
Customer: Received From
Name: TRANSPORTATION DIV DFEL
Address 1: BLDG 1836
Address 2: 6759 MITCHELL AVE PO Box:
City: FORT BENNING
State: GA Zip Code: 31905 Country: US
Return To: Received From
TRANSPORTATION DIV DFEL
BLDG 1836
6759 MITCHELL AVE PO Box:
FORT BENNING
State: GA Zip Code: 31905 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
C000 FRT AND R SGT BAS 1
Repair Search
Refresh
Close
nagletj 11/11/2004 11:22 AM CAPS NUM INS
start


Serial Number:
C6225531
Model: M24 SWS
RE00087797

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225531.__0
FILE DATE AND TIME: 12/08/2004 07:54

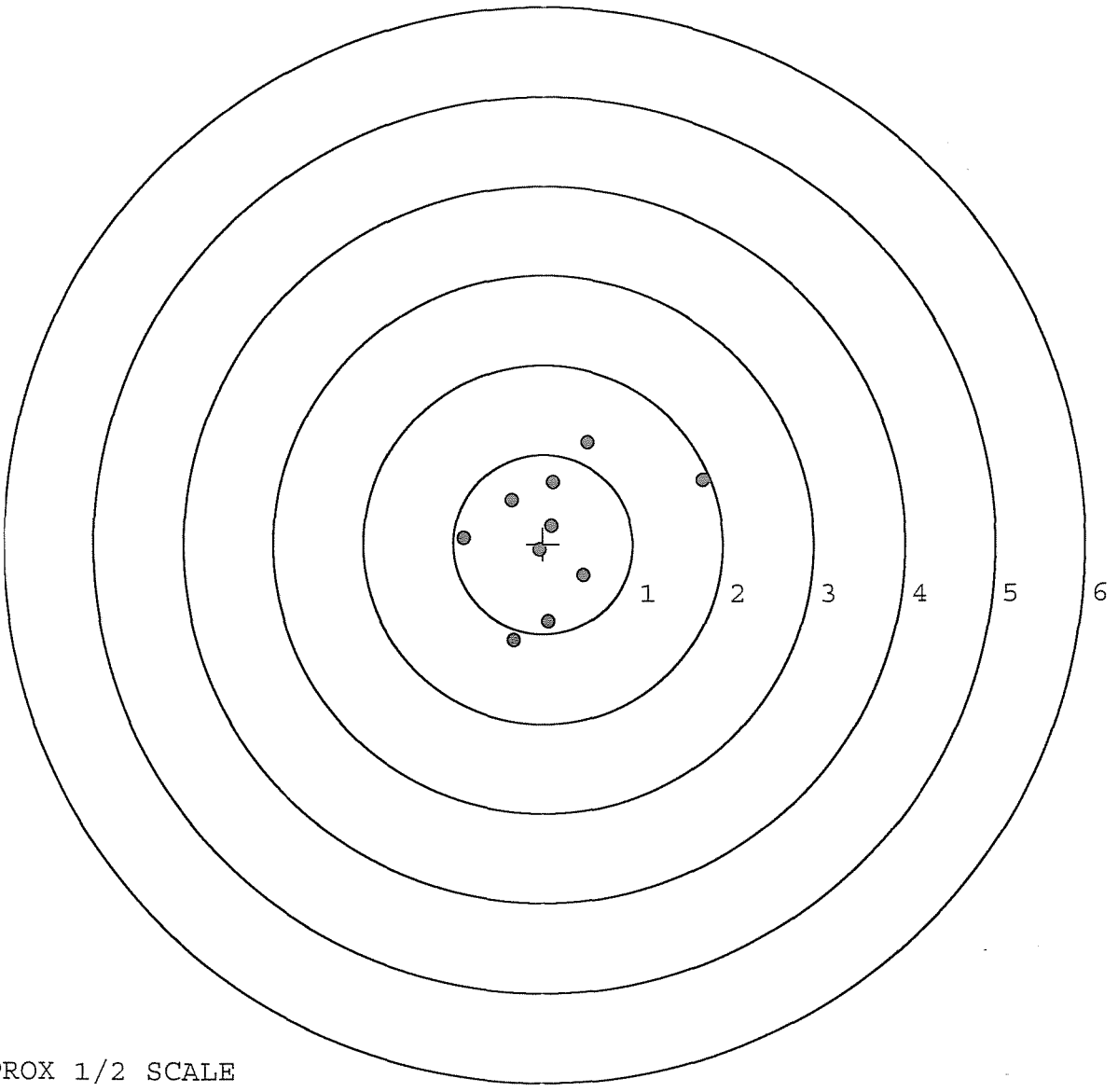
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.057
The Average Y Centroid of the Five Target Set:	-0.084
The Average Point of Impact of the Five Target Set:	0.102
The Average Mean Radius of the Five Target Set:	0.590
The Distance from POA to Centroid Target #1:	0.166
The Distance from Centroid Target #2 to Centroid Target #1:	0.396
The Distance from Centroid Target #3 to Centroid Target #1:	0.240
The Distance from Centroid Target #4 to Centroid Target #1:	0.332
The Distance from Centroid Target #5 to Centroid Target #1:	0.352

SERIAL NUMBER: C6225531.__0
TARGET NUMBER: 1
FILE DATE: 12/08/2004
FILE TIME: 07:54

X CENTROID:	0.137
Y CENTROID:	0.093
POA TO CENTROID:	0.166
HORZ SPREAD:	2.659
VERT SPREAD:	2.218
GROUP SPREAD:	2.771
MIN RADIUS:	0.117
MAX RADIUS:	1.755
MEAN RADIUS:	0.824
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.776	0.722
2:	0.495	1.140
3:	0.112	0.687
4:	-0.359	0.489
5:	-0.883	0.061
6:	0.094	0.201
7:	-0.040	-0.072
8:	0.451	-0.354
9:	0.057	-0.868
10:	-0.331	-1.078

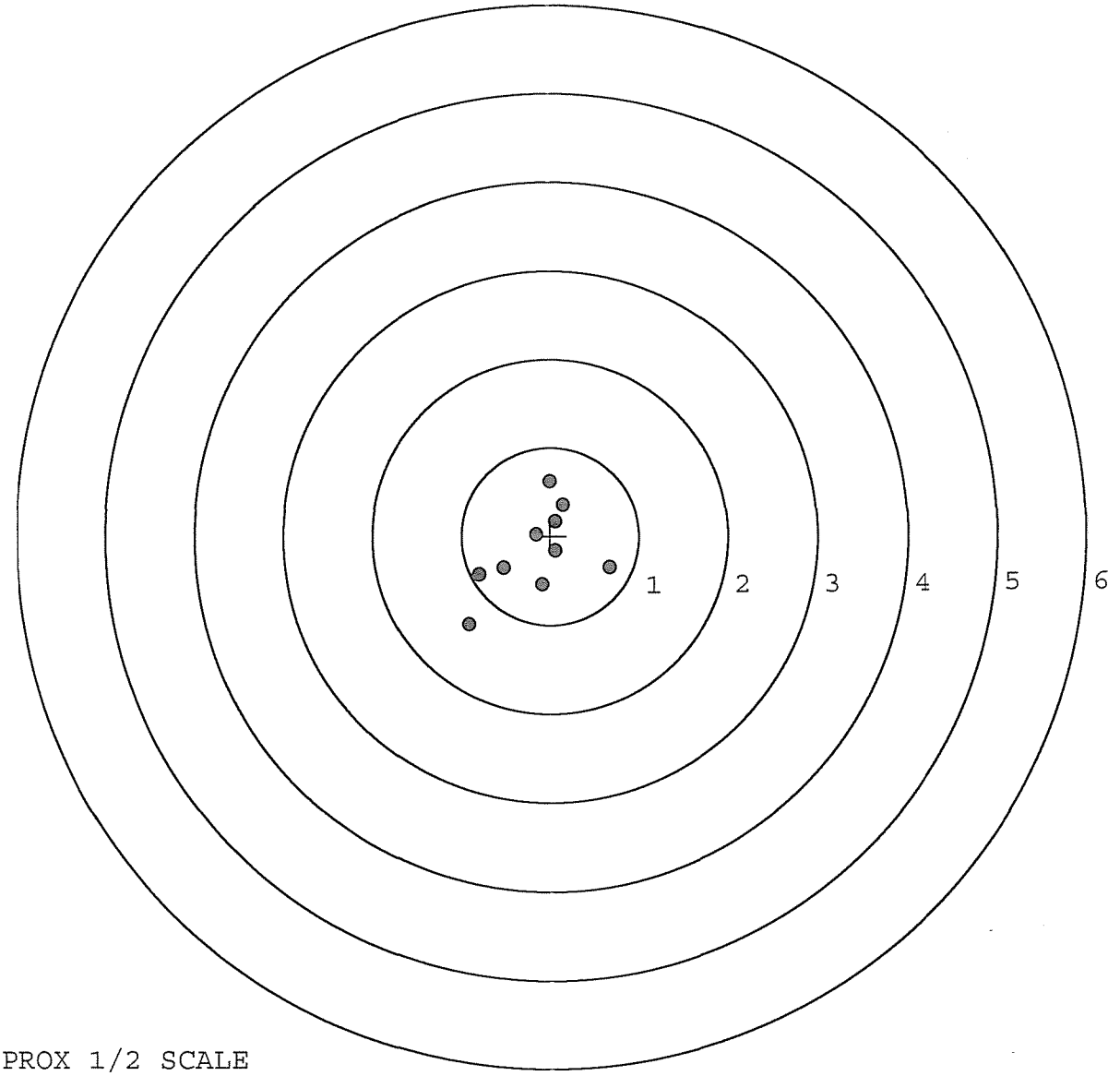


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225531.__0
TARGET NUMBER: 2
FILE DATE: 12/08/2004
FILE TIME: 07:54

X CENTROID:	-0.157
Y CENTROID:	-0.173
POA TO CENTROID:	0.234
HORZ SPREAD:	1.591
VERT SPREAD:	1.612
GROUP SPREAD:	1.857
MIN RADIUS:	0.189
MAX RADIUS:	1.122
MEAN RADIUS:	0.568
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.672	-0.355
2:	-0.097	-0.547
3:	-0.533	-0.363
4:	-0.800	-0.440
5:	-0.919	-0.996
6:	0.002	0.616
7:	0.150	0.349
8:	0.059	0.163
9:	-0.166	0.016
10:	0.059	-0.169

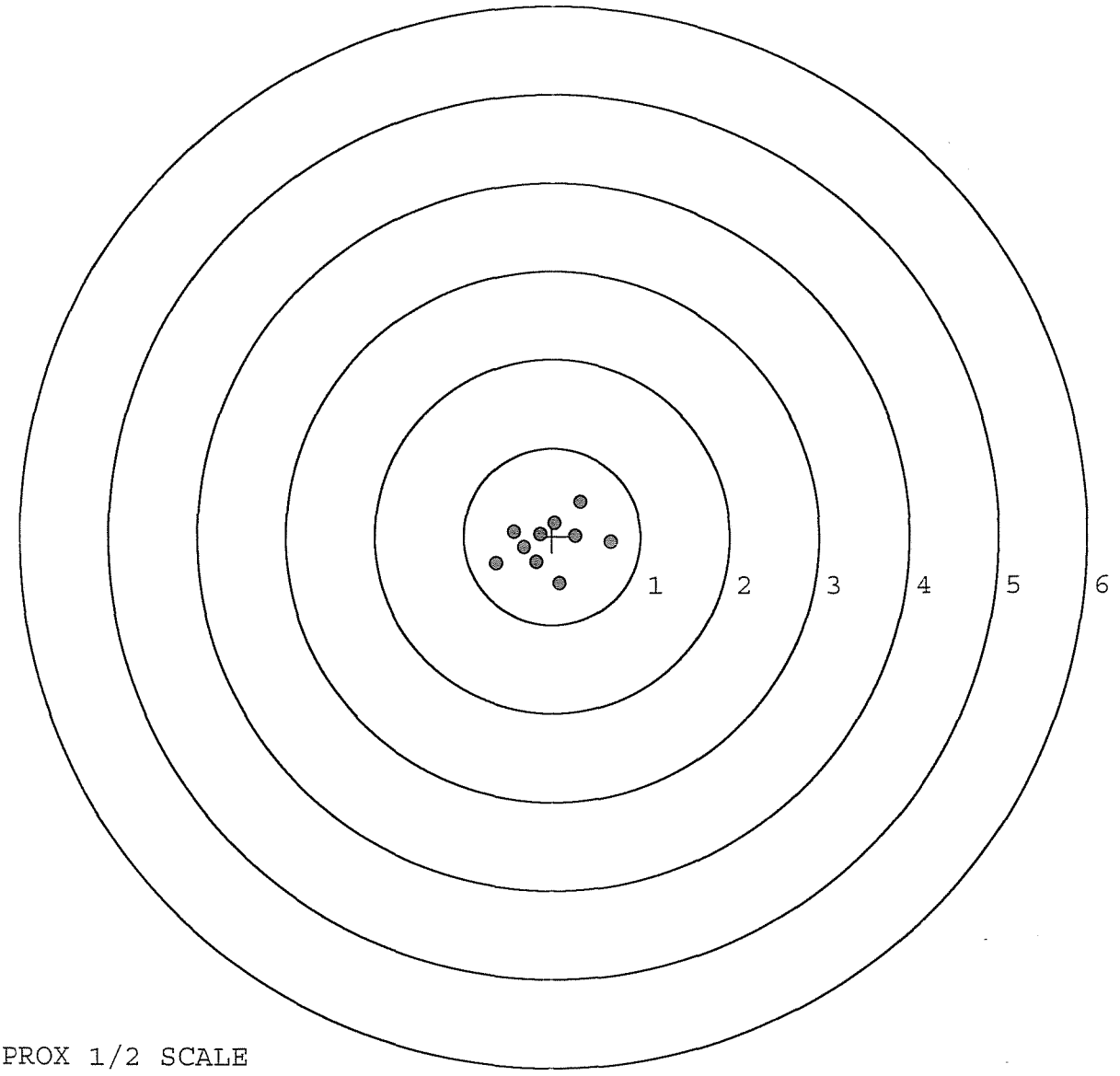


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225531.__0
TARGET NUMBER: 3
FILE DATE: 12/08/2004
FILE TIME: 07:54

X CENTROID:	-0.037
Y CENTROID:	-0.072
POA TO CENTROID:	0.081
HORZ SPREAD:	1.300
VERT SPREAD:	0.924
GROUP SPREAD:	1.324
MIN RADIUS:	0.139
MAX RADIUS:	0.698
MEAN RADIUS:	0.406
# IN 1 IN DIAMETER:	7
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.315	0.388
2:	0.661	-0.064
3:	0.262	0.006
4:	0.029	0.149
5:	0.081	-0.536
6:	-0.639	-0.315
7:	-0.436	0.053
8:	-0.186	-0.298
9:	-0.136	0.025
10:	-0.322	-0.128

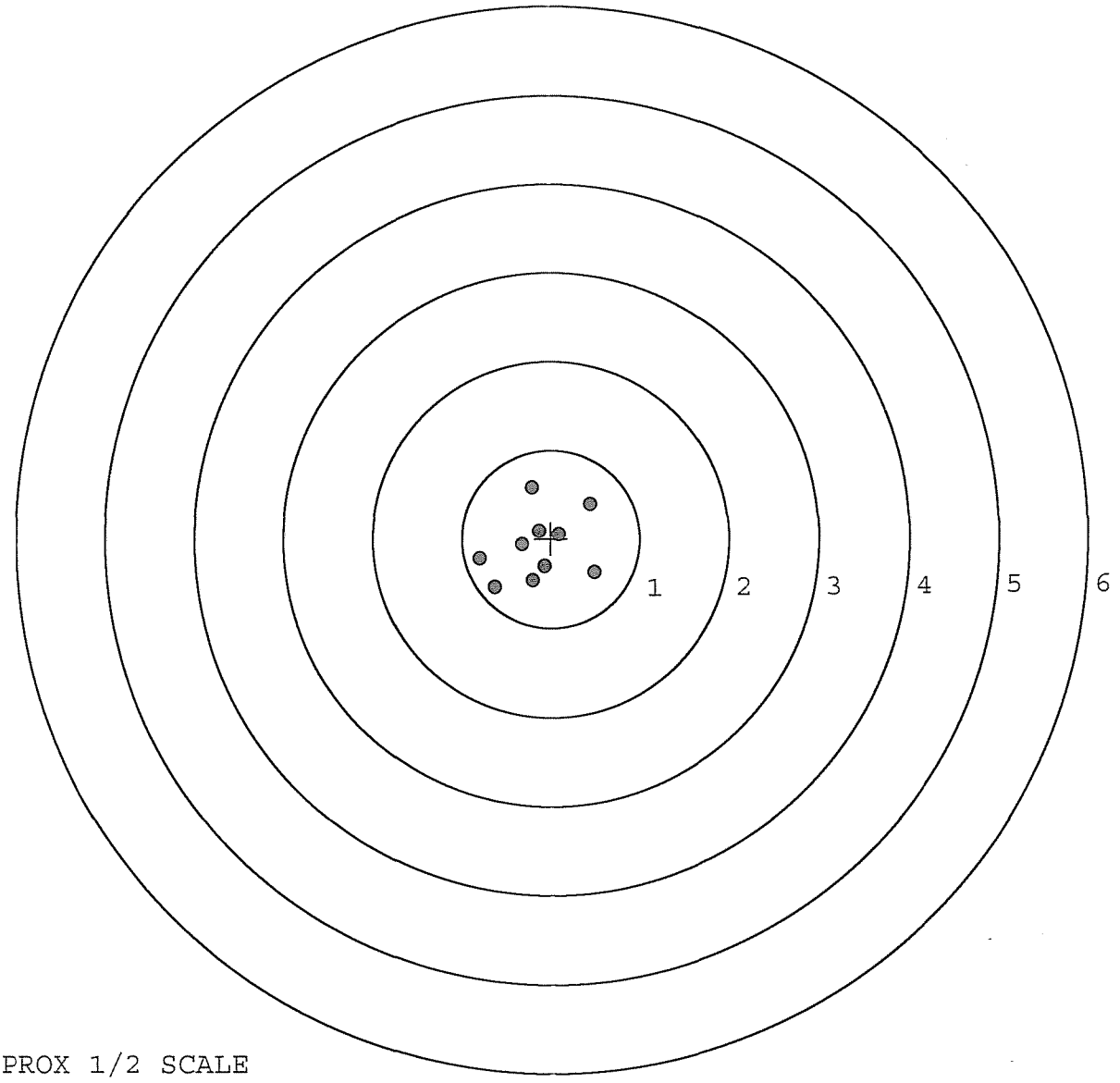


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225531.__0
TARGET NUMBER: 4
FILE DATE: 12/08/2004
FILE TIME: 07:54

X CENTROID:	-0.138
Y CENTROID:	-0.093
POA TO CENTROID:	0.166
HORZ SPREAD:	1.289
VERT SPREAD:	1.124
GROUP SPREAD:	1.432
MIN RADIUS:	0.177
MAX RADIUS:	0.759
MEAN RADIUS:	0.473
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.488	-0.380
2:	0.450	0.388
3:	-0.213	0.577
4:	-0.801	-0.233
5:	-0.635	-0.547
6:	-0.209	-0.478
7:	-0.078	-0.317
8:	-0.327	-0.067
9:	0.088	0.048
10:	-0.140	0.084

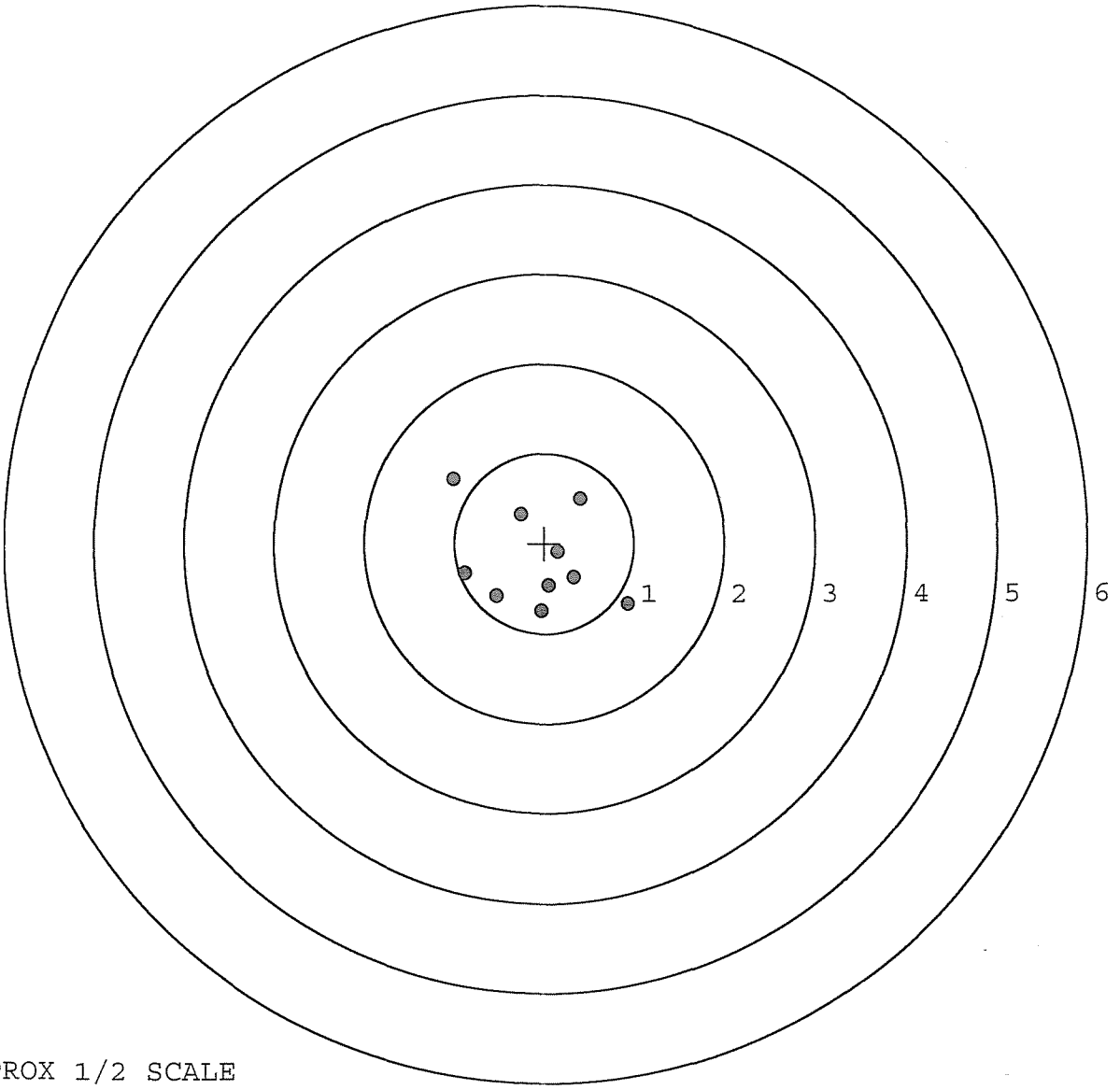


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225531.__0
TARGET NUMBER: 5
FILE DATE: 12/08/2004
FILE TIME: 07:54

X CENTROID:	-0.089
Y CENTROID:	-0.177
POA TO CENTROID:	0.198
HORZ SPREAD:	1.951
VERT SPREAD:	1.458
GROUP SPREAD:	2.387
MIN RADIUS:	0.253
MAX RADIUS:	1.283
MEAN RADIUS:	0.681
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.932	-0.668
2:	0.394	0.496
3:	-0.269	0.317
4:	-1.019	0.707
5:	-0.882	-0.339
6:	-0.536	-0.587
7:	-0.038	-0.751
8:	0.047	-0.471
9:	0.333	-0.375
10:	0.151	-0.097



TARGET APPROX 1/2 SCALE

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

SERIAL # C62255531 INSPECTED BY: AC

DATE REC'D: 11-11-04 DATE RET'D: 12-9-04

ITEM		ITEM	
BARREL ASSEMBLY		STOCK ASSEMBLY	
✓	BARREL	✓	STOCK
✓	RECEIVER	✓	SLING AWIVEL STUDS
	FRONT SIGHT BASE	✓	ADJUSTABLE
	REAR SIGHT BASE	✓	BUTT PLATE
	SCREWS	✓	LOCK NUTS
✓	FINISH	✓	BARREL CLEARANCE
		✓	COLOR / FINISH
SCOPE ASSEMBLY		SYSTEMS CASE	
	SCOPE		SCOPE CASE
	SCOPE RINGS		IRON SIGHTS
	MOUNTING SCREWS		DEPLOYMENT KIT
	MOUNTING BASE		
	SCREWS		
	FINISH	TRIGGER ASSEMBLY	
	CLARITY	✓	SAFETY OPERATION
		✓	RE-SET TO FACTORY SPECS
		COMMENTS:	

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

R & E NUMBER	87797		Supp. # 4358
SERIAL NUMBER	C6225531		
LOG-IN DATE	11-11-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-15-04	RTL
560 A	RE-BARREL	11-16-04	RTL
B	DRILL AND TAP		
575	ASSEMBLE	11-16-04	RTL
600	PROOF	11-16-04	RTL
605	CHECK HEADSPACE	11-16-04	RTL
610	DIS-ASSEMBLE GUN	11-17-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	11-18-04	SB/CW
618	ROTO-BLAST	11-30-04	LB
620	APPLY COATINGS	12/1/04	
625 A	FINAL ASSEMBLY	12-7-04	RTL
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE		N/A
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-8-04	TRW
655	FINAL INSPECT	12-8-04	AC
660	PACK	12-9-04	QA
		SHIP DATE	
	QAR INSPECTION DATE		

Scope 0094

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225531

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4 12 89	RW
600	Proof		4 12 89	RW
607	Check Headspace		4 12 89	RW
610	Dis-assemble Gun		4 12 89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/15/89	GS
617	Drill and Tap Sight Holes		4 14 89	LB
618	Polish Barrel RB		4 14 89	BT
620	Apply Coatings (Barrel Action)		4-19-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/8/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/8/89	RW
	C) Inspect Ejector Hole for Chamfer		5/8/89	RW
	D) Oil Firing Pin Ass'y		5/8/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/11/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/11/89	JL
	G) Safety Off Force	2	2	2			5/11/89	JL
	H) Trigger Pull Test & Retainability						5/11/89	WB
	I) Firing Pin Indent	.021	.021.5	.020			5/11/89	JL
	J) Assemble Stock						5/12/89	RW
	K) Assemble Swivel Studs						15May89	SS
	L) Attach Front and Rear Sight Assemblies						5/11/89	RW
	M) Iron Sight Alignment						5/11/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/11/89	RW
	O) Attach Scope to Rifle						5/11/89	JL
	P) Detach & Attach Scope 20 Times						5/12/89	JL
640	Gallery Target & Test	74R	80L				5/12/89	DH
	A) Time						5/12/89	DH
	B) Malfunctions						5/12/89	DH
	C) Pierced Primers						5/12/89	DH
	D) Optical Clearity of Scope						5/12/89	DH
645	Inspect for Live Ammo						5/12/89	DH
655	Final Inspection A) Headspace						15May89	SS
	B) Trigger Pull	2.48	2.84	2.64	2.83	2.74	15May89	SS
	C) Function						15May89	SS
660	Pack						21June89	SS

SWS TRIGGER PULL TEST

5531

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

SERIAL NO. ~~C634897~~

DATE 6/20/89

TESTER 918

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.51	2.32	2.20	2.49	MIN. SETTING,
PULL #2	2.24	2.21	2.19	2.68	NO AVG. OF 5
PULL #3	2.31	2.23	2.17	2.66	READINGS ACCEPT-
PULL #4	2.35	2.17	2.15	2.64	ABLE LESS THAN 2#
PULL #5	2.40	2.24	2.18	2.71	
TOTAL	11.81	11.17	10.89	13.18	
AVG.	2.362	2.234	2.178	2.636	

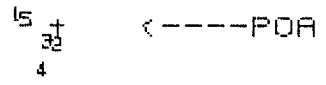
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.95	2.97		
PULL #2	2.90	3.00		
PULL #3	2.93	3.05		
PULL #4	2.91	3.01		
PULL #5	2.92	2.89		
TOTAL	14.61	14.92		
AVG.	2.922	2.984		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	3.98	4.02		4.50
PULL #2	4.89	3.96		4.19
PULL #3	3.81	3.62		4.37
PULL #4	3.84	3.81		4.31
PULL #5	3.87	3.91		4.36
TOTAL	20.39	19.32		22.07
AVG.	4.078	3.864		4.414

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225531
15 May 1989

CENTROIDAL DISTANCES

Ø	TO	1	.758359
1	TO	2	.924807
1	TO	3	.727836
1	TO	4	1.09256
1	TO	5	.2067

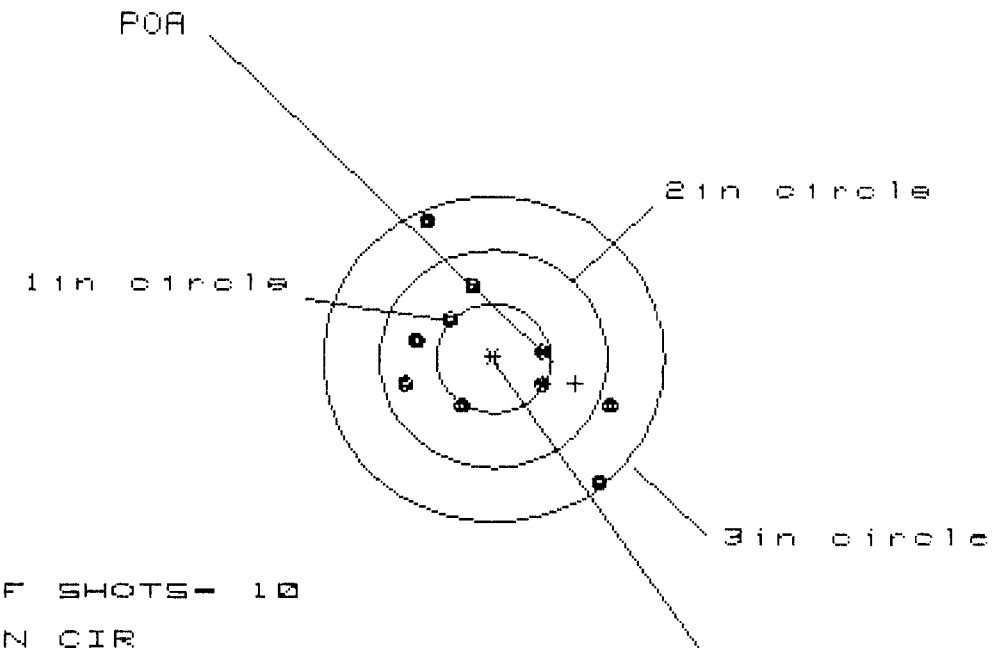


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.337
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1944
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .389051

THE AMR FOR THIS RIFLE IS: .8326

15 May 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225531

CENTERFIRE PATTERNS # 1



\# OF SHOTS= 10

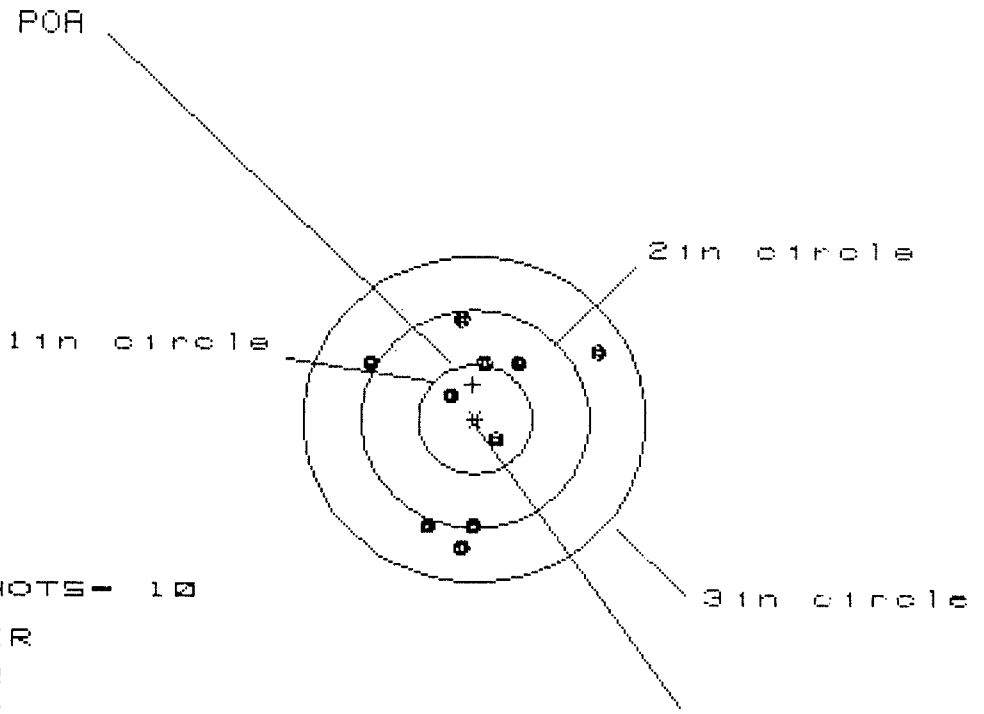
\# IN CIR
1in = 3
2in = 7
3in = 10

HS= 1.769
VS= 2.389
GS= 2.828

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.002	1.104	1.042
MINIMUM X	:	-.767	-.665	-.727
MAXIMUM Y	:	1.288	1.165	.732
MINIMUM Y	:	-1.101	-.571	-.425
CENTROID X	:	-.722	-.824	-.762
CENTROID Y	:	.232	.355	.209
POA TO CENTROID in.	:	.758	.897	.790
MIN RADIUS	:	.467	.315	.463
MEAN RADIUS	:	.808	.724	.651
MAX RADIUS	:	1.434	1.265	1.126
HORIZONTAL SPREAD	:	1.769	1.769	1.769
VERTICAL SPREAD	:	2.389	1.736	1.157
EXTREME SPREAD	:	2.828	2.359	1.782
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

15 May 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225531

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

# IN CIR
1in = 2
2in = 6
3in = 10

HS= 2.056
VS= 2.119
GS= 2.196

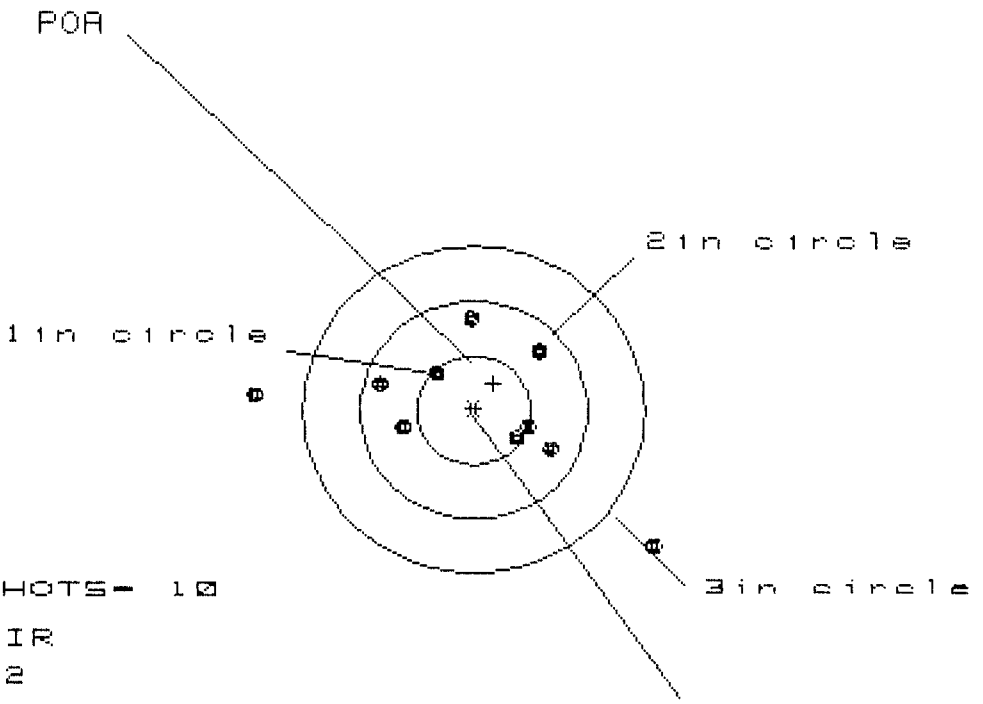
PATTERN # : 2

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.099	.544	.546
MINIMUM X :	-.957	-.835	-.833
MAXIMUM Y :	.890	.958	.813
MINIMUM Y :	-1.229	-1.161	-1.064
CENTROID X :	.020	-.103	-.105
CENTROID Y :	-.320	-.388	-.243
POA TO CENTROID in.:	.321	.401	.265
MIN RADIUS :	.228	.299	.201
MEAN RADIUS :	.826	.785	.709
MAX RADIUS :	1.258	1.161	1.068
HORIZONTAL SPREAD :	2.056	1.379	1.379
VERTICAL SPREAD :	2.119	2.119	1.877
EXTREME SPREAD :	2.196	2.119	1.877

NUMBER IN ONE INCH CIRCLE = 2
NUMBER IN TWO INCH CIRCLE = 6
NUMBER IN THREE INCH CIRCLE = 10

15 May 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225531

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

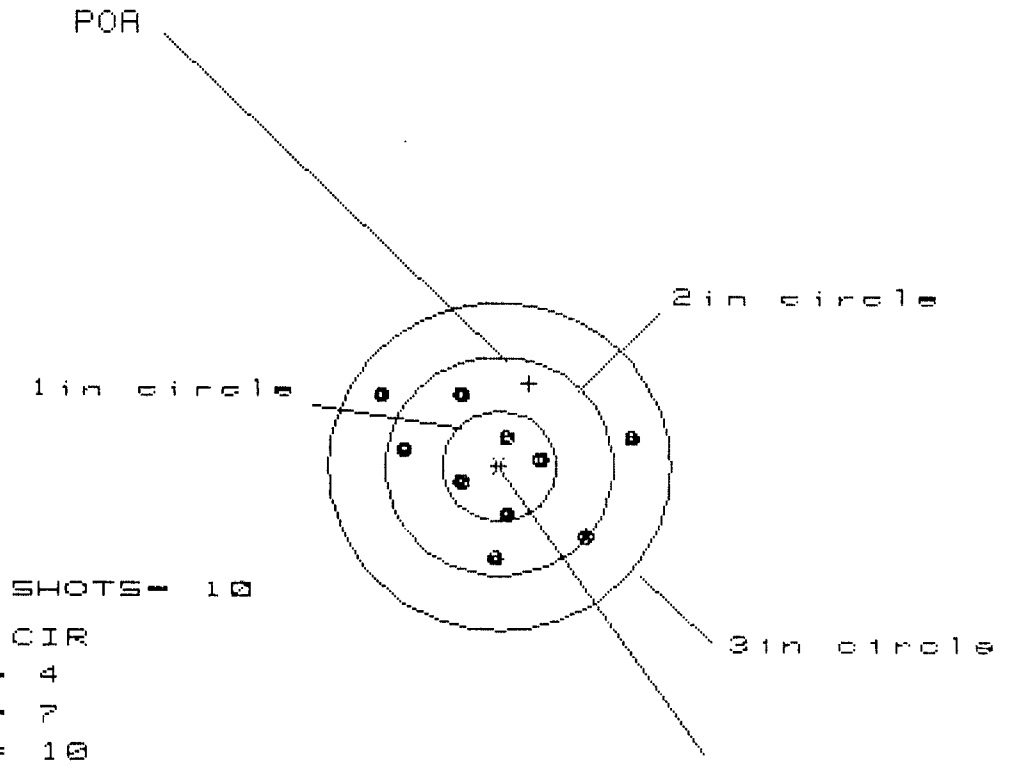
# IN CIR
1in = 2
2in = 8
3in = 8

HS= 3.439
VS= 2.147
GS= 3.713

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.528	.891	.673
MINIMUM X	:	-1.911	-1.741	-.880
MAXIMUM Y	:	.868	.726	.724
MINIMUM Y	:	-1.279	-.476	-.478
CENTROID X	:	-.174	-.344	-.126
CENTROID Y	:	-.247	-.105	-.103
POA TO CENTROID in.	:	.302	.360	.163
MIN RADIUS	:	.433	.218	.376
MEAN RADIUS	:	.930	.798	.659
MAX RADIUS	:	1.992	1.741	.890
HORIZONTAL SPREAD	:	3.439	2.632	1.553
VERTICAL SPREAD	:	2.147	1.202	1.202
EXTREME SPREAD	:	3.713	2.671	1.668
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

15 May 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225531

CENTERFIRE PATTERNS # 4

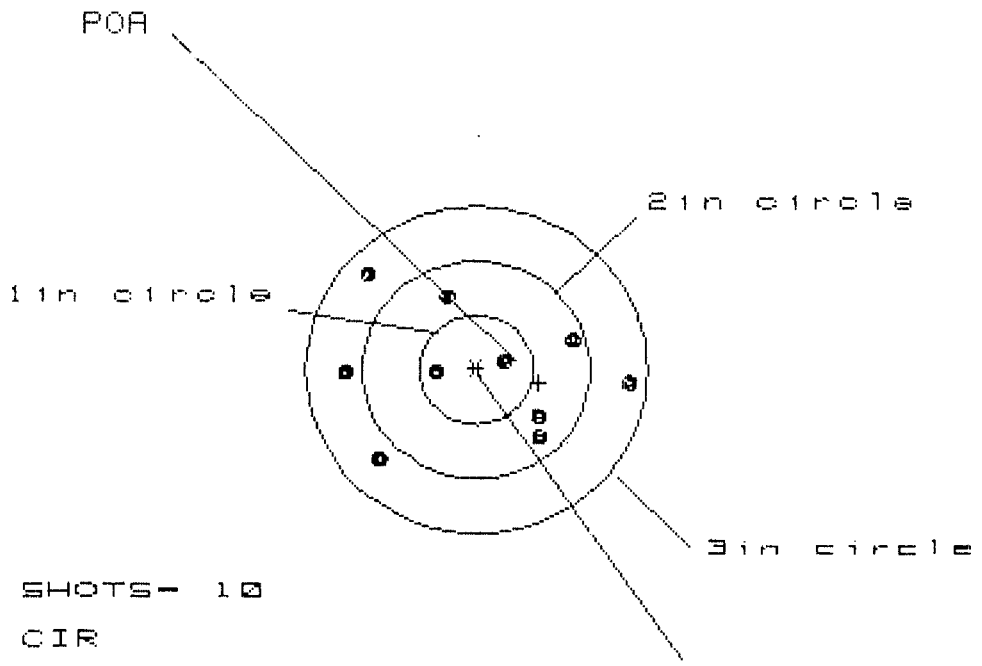


\# OF SHOTS= 10
\# IN CIR
1in = 4
2in = 7
3in = 10
HS= 2.161
VS= 1.504
GS= 2.218

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.161	1.049	.808
MINIMUM X	:	-1.000	-.920	-.788
MAXIMUM Y	:	.649	.701	.741
MINIMUM Y	:	-.855	-.783	-.743
CENTROID X	:	-.262	-.150	-.282
CENTROID Y	:	-.759	-.831	-.871
POA TO CENTROID in.	:	.803	.845	.916
MIN RADIUS	:	.312	.312	.354
MEAN RADIUS	:	.736	.680	.619
MAX RADIUS	:	1.193	1.097	.978
HORIZONTAL SPREAD	:	2.161	1.969	1.596
VERTICAL SPREAD	:	1.504	1.484	1.484
EXTREME SPREAD	:	2.218	1.970	1.809
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

15 May 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225531

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

# IN CIR
1in = 2
2in = 6
3in = 10

HS= 2.438
VS= 1.719
GS= 2.442

PATTERN # : 5

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.303	.942	.846
MINIMUM X :	-1.135	-.991	-1.087
MAXIMUM Y :	.897	.883	.773
MINIMUM Y :	-.822	-.836	-.726
CENTROID X :	-.547	-.691	-.595
CENTROID Y :	.122	.136	.026
POA TO CENTROID in.:	.560	.705	.596
MIN RADIUS :	.295	.222	.323
MEAN RADIUS :	.863	.811	.757
MAX RADIUS :	1.309	1.170	1.090
HORIZONTAL SPREAD :	2.438	1.933	1.933
VERTICAL SPREAD :	1.719	1.719	1.499
EXTREME SPREAD :	2.442	2.097	1.995

NUMBER IN ONE INCH CIRCLE = 2
NUMBER IN TWO INCH CIRCLE = 6
NUMBER IN THREE INCH CIRCLE = 10