C634808
MODEL 700 TM NCA

C6348808

MODEL 700™ M24

Model SWS™

Action

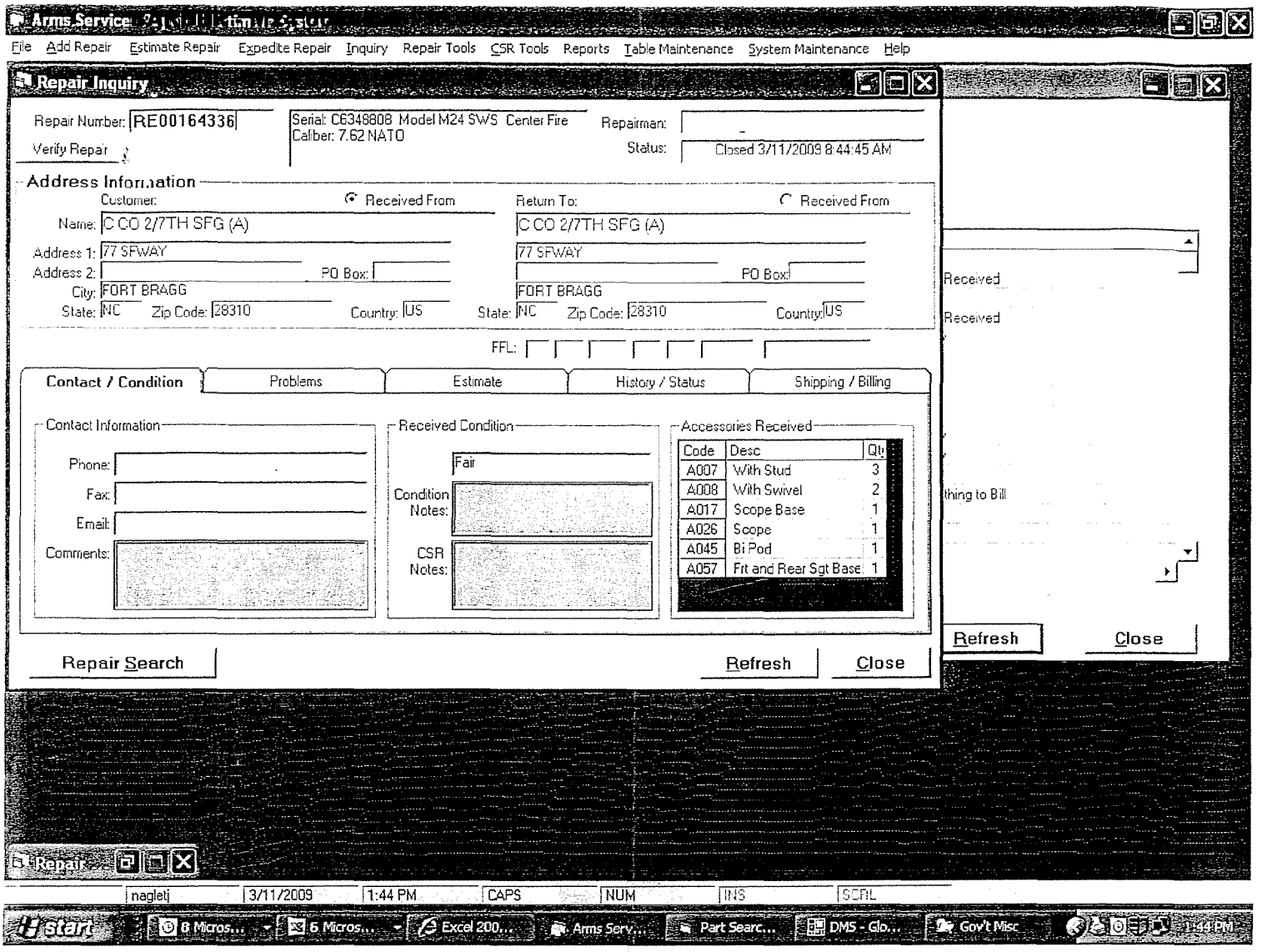
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®


Arms Service
File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help
Repair Inquiry
Repair Number: RE00164336
Verify Repair
Serial: C6348808 Model M24 SWS Center Fire
Caliber: 7.62 NATO
Repairman:
Status: Closed 3/11/2009 8:44:45 AM
Address Information
Customer: Received From
Name: C CO 2/7TH SFG (A)
Address 1: 77 SFWAY
Address 2:
PO Box:
City: FORT BRAGG
State: NC Zip Code: 28310 Country: US
Return To: Received From
C CO 2/7TH SFG (A)
77 SFWAY
PO Box:
FORT BRAGG
State: NC Zip Code: 28310 Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone:
Fax:
Email:
Comments:
Received Condition
Fair
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qty
A007 With Stud 3
A008 With Swivel 2
A017 Scope Base 1
A026 Scope 1
A045 Bi Pod 1
A057 Fit and Rear Sgt Base 1
Repair Search
Refresh
Close
Received
Received
thing to Bill
Refresh
Close
Repair
nagleti
3/11/2009
1:44 PM
CAPS
NUM
INS
SCRL
start
8 Micros...
6 Micros...
Excel 200...
Arms Serv...
Part Searc...
DMS - Glo...
Gov't Misc
1:44 PM


Serial Number:
C6348808
Model: M24 SWS
RE00164336

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER 1643360
SERIAL NUMBER C6348808
LOG-IN DATE 3-11-09

OPERATION #	OPERATION NAME			DATE	INITIAL
500	DIS-ASSEMBLE GUN			3-12-09	RTC
505	RE-BARREL			3-16-09	RTC
420	ASSEMBLE			3-16-09	RTC
440	PROOF	MAGNA - FLUX		3-17-09	TC
460	CHECK HEADSPACE			3-17-09	TC
470	DIS-ASSEMBLE GUN			3-17-09	RTC
480	MAGNAFLUX	OPERATOR (N)		3/20/09	(N)
510	DRILL AND TAP			3-17-09	SP
500	ROLLMARK CALIBER			3/24/09	RT
520	GOFF BLAST BBL / REC			3-24	3J
530 & 540	APPLY COATINGS			3-31	—
560	FINAL ASSEMBLY			4-1-09	RTC
640	FUNCTION TEST AND	(PASS)	FAIL	4-1-09	RP
650	TARGET	(PASS)	FAIL	4-1-09	RP
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION	N/A		
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION		4-1-09	SP
670	FINAL INSPECTION A) HEADSPACE	(PASS)	FAIL	4-7-09	S.P.D.
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.59	2.56 2.50 2.61 2.67	4-7-09	RP
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	6.0	6.0 6.0		
	G) SAFETY OFF FORCE (2 LBS MIN)	2.0	2.0 2.0		
	I) FIRING PIN INDENT (.020)	.022	.022 .022		S.P.D.
690	PACK			4/8/09	FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348808.__0
FILE DATE AND TIME: 04/02/2009 04:59

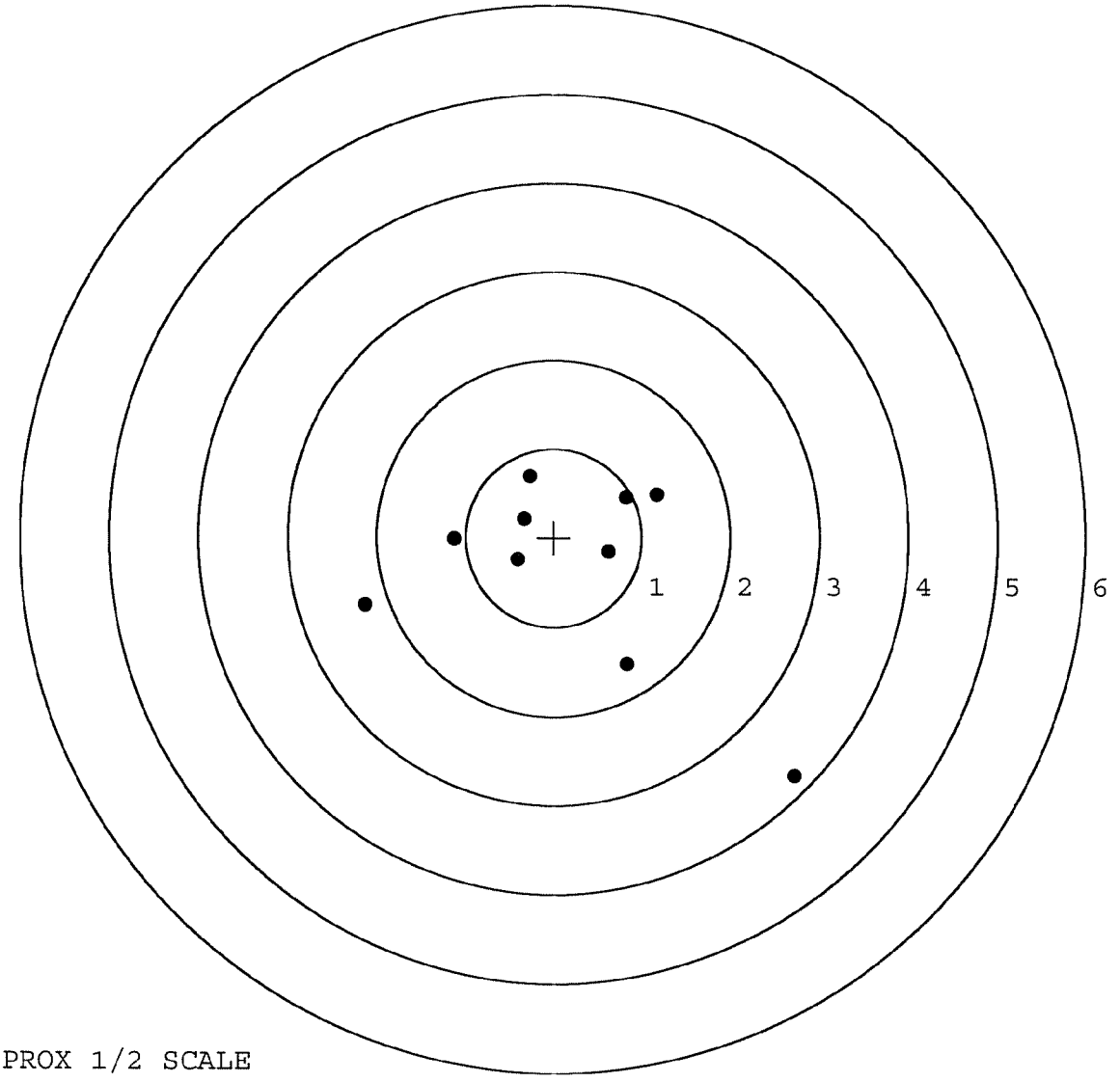
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.093
The Average Y Centroid of the Five Target Set:	0.023
The Average Point of Impact of the Five Target Set:	0.096
The Average Mean Radius of the Five Target Set:	0.767
The Distance from POA to Centroid Target #1:	0.393
The Distance from Centroid Target #2 to Centroid Target #1:	0.520
The Distance from Centroid Target #3 to Centroid Target #1:	0.540
The Distance from Centroid Target #4 to Centroid Target #1:	0.547
The Distance from Centroid Target #5 to Centroid Target #1:	0.298

SERIAL NUMBER: C6348808.__0
TARGET NUMBER: 1
FILE DATE: 04/02/2009
FILE TIME: 04:59

X CENTROID:	0.189
Y CENTROID:	-0.345
POA TO CENTROID:	0.393
HORZ SPREAD:	4.852
VERT SPREAD:	3.357
GROUP SPREAD:	5.213
MIN RADIUS:	0.470
MAX RADIUS:	3.436
MEAN RADIUS:	1.368
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	3
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	-2.131	-0.763
2:	-1.129	-0.023
3:	-0.412	-0.247
4:	-0.334	0.211
5:	-0.272	0.689
6:	1.171	0.482
7:	0.821	0.451
8:	0.622	-0.161
9:	0.832	-1.418
10:	2.721	-2.668

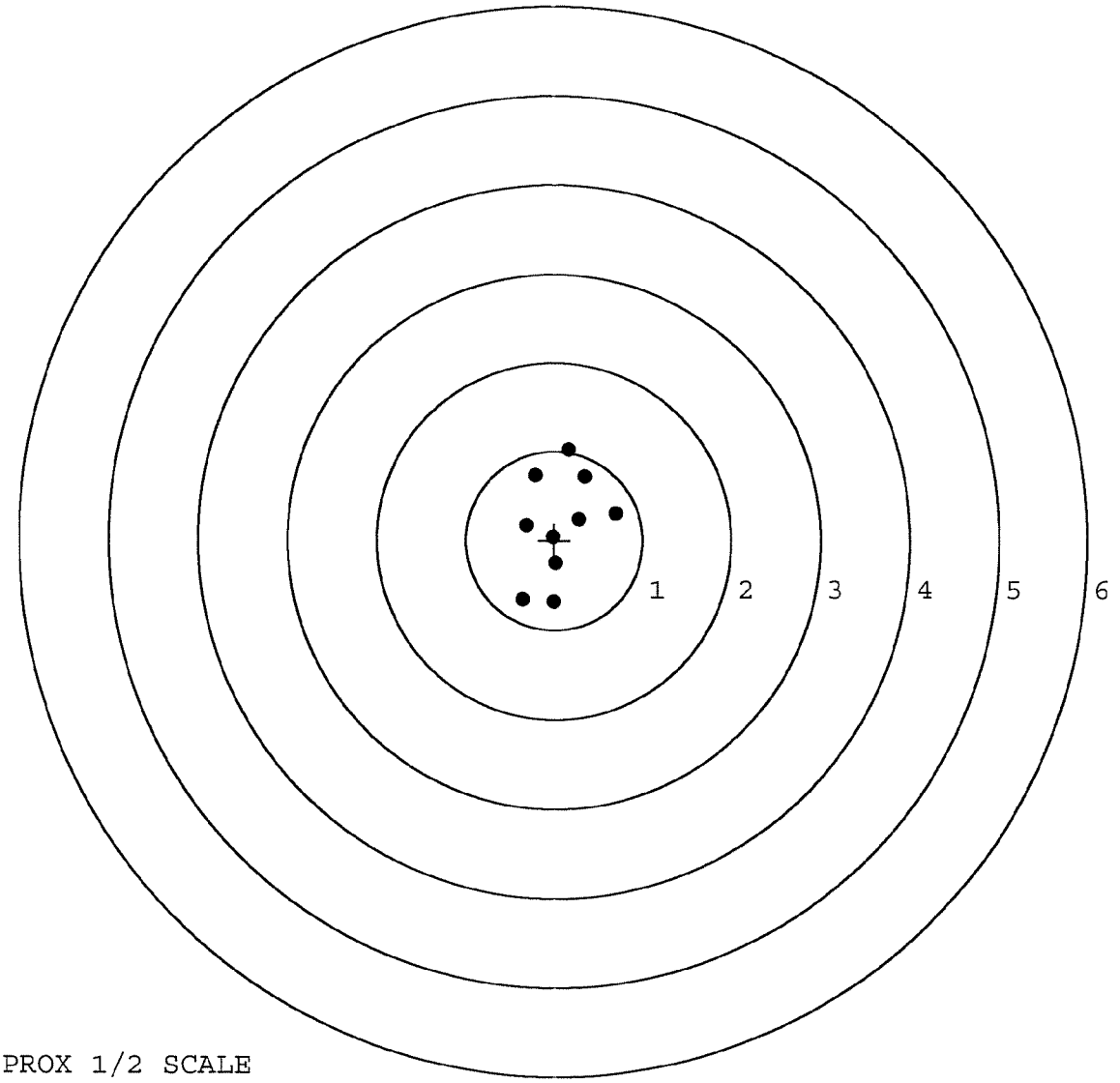


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348808.__0
TARGET NUMBER: 2
FILE DATE: 04/02/2009
FILE TIME: 04:59

X CENTROID:	0.060
Y CENTROID:	0.159
POA TO CENTROID:	0.170
HORZ SPREAD:	1.063
VERT SPREAD:	1.709
GROUP SPREAD:	1.767
MIN RADIUS:	0.145
MAX RADIUS:	0.927
MEAN RADIUS:	0.574
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.216	0.730
2:	0.172	1.019
3:	0.351	0.716
4:	0.697	0.301
5:	0.286	0.237
6:	-0.315	0.168
7:	-0.366	-0.664
8:	-0.012	-0.690
9:	0.017	-0.258
10:	-0.015	0.035



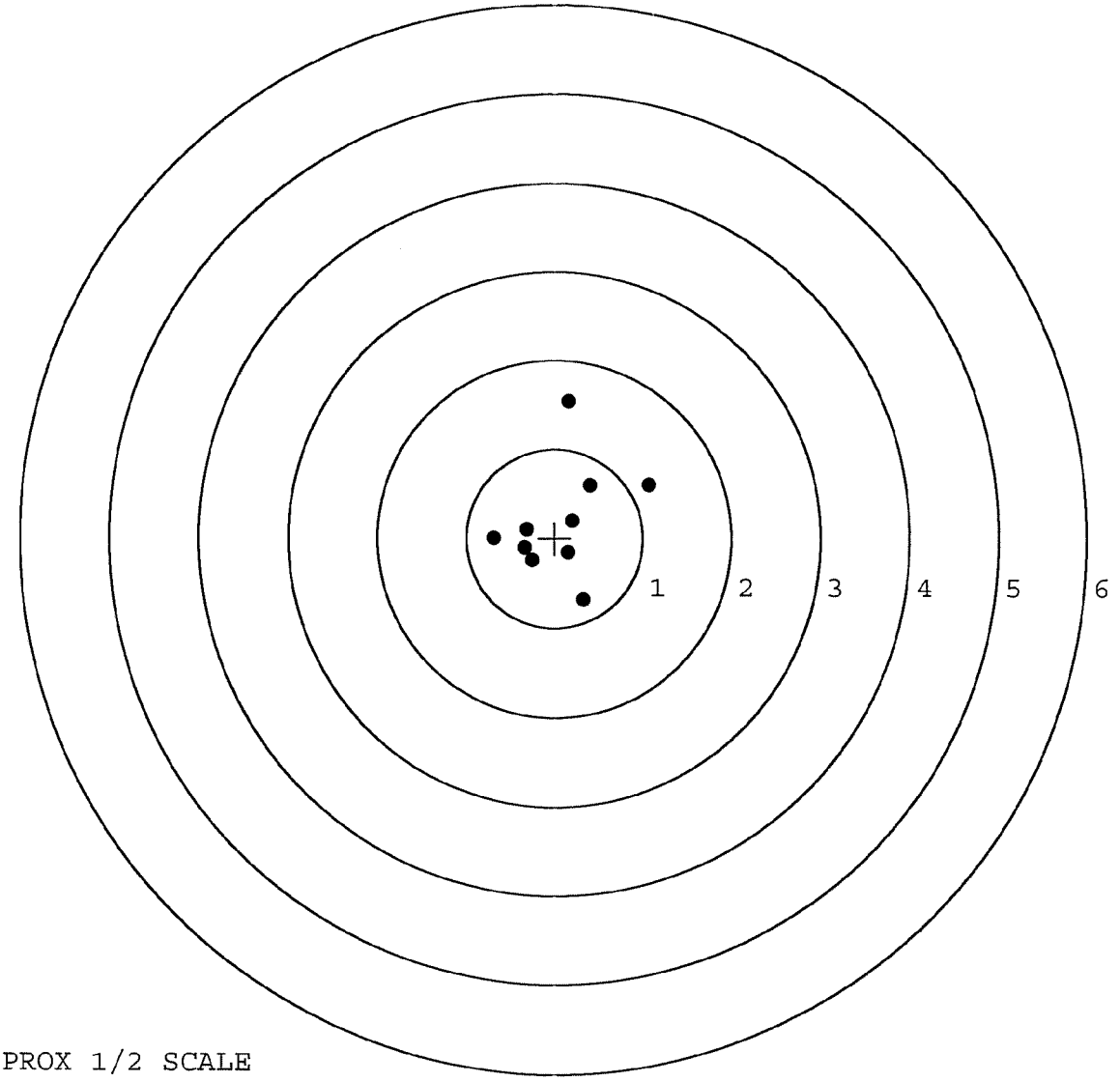
TARGET APPROX 1/2 SCALE

BARBER - M24 0064637

SERIAL NUMBER: C6348808.__0
TARGET NUMBER: 3
FILE DATE: 04/02/2009
FILE TIME: 04:59

X CENTROID:	0.072
Y CENTROID:	0.183
POA TO CENTROID:	0.196
HORZ SPREAD:	1.758
VERT SPREAD:	2.229
GROUP SPREAD:	2.235
MIN RADIUS:	0.130
MAX RADIUS:	1.360
MEAN RADIUS:	0.660
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.163	1.540
2:	1.069	0.604
3:	0.406	0.595
4:	0.331	-0.689
5:	0.201	0.197
6:	0.156	-0.162
7:	-0.255	-0.251
8:	-0.320	0.102
9:	-0.689	0.000
10:	-0.344	-0.108



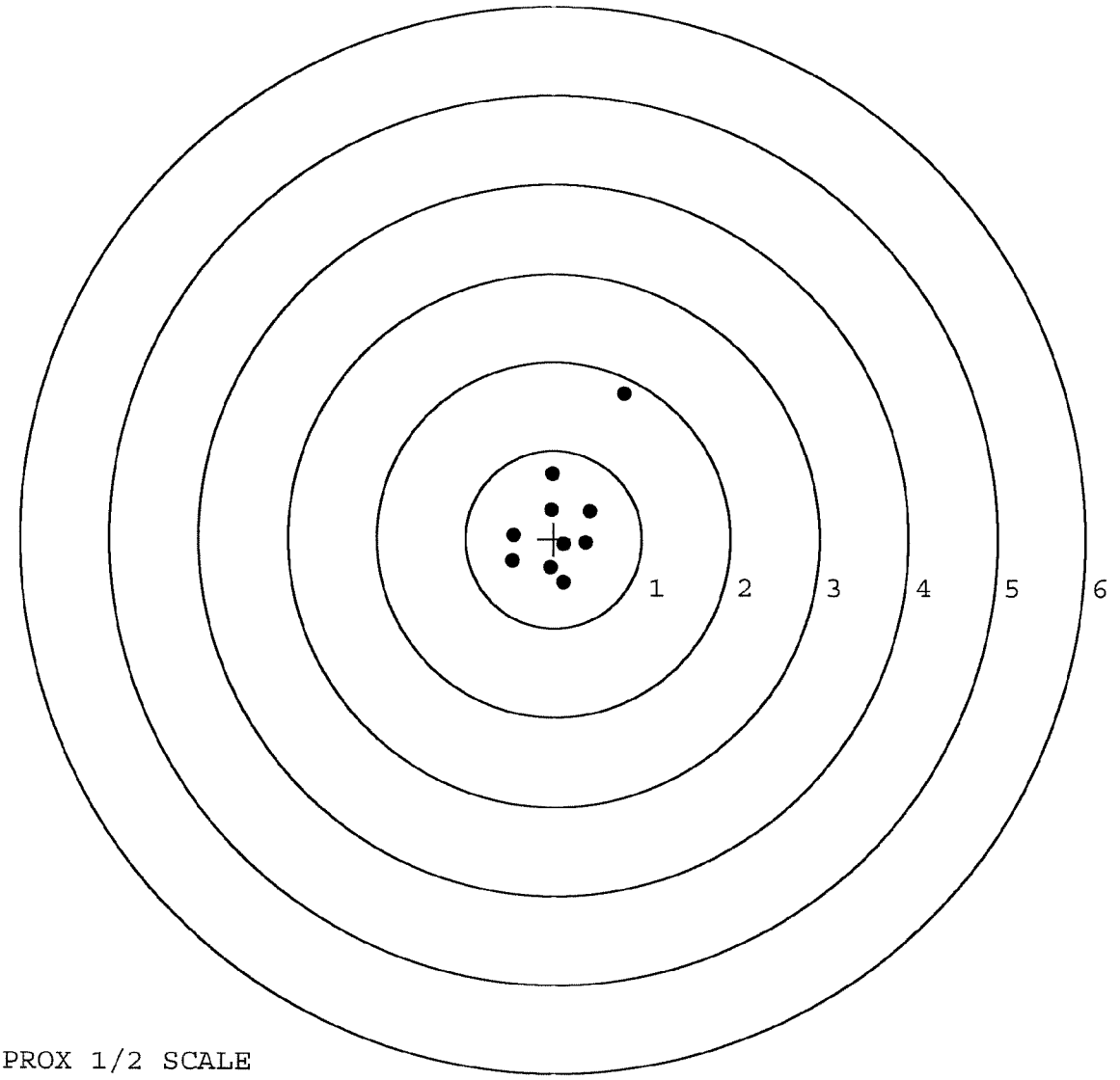
TARGET APPROX 1/2 SCALE

BARBER - M24 0064638

SERIAL NUMBER: C6348808.__0
TARGET NUMBER: 4
FILE DATE: 04/02/2009
FILE TIME: 04:59

X CENTROID:	0.079
Y CENTROID:	0.191
POA TO CENTROID:	0.207
HORZ SPREAD:	1.270
VERT SPREAD:	2.132
GROUP SPREAD:	2.275
MIN RADIUS:	0.178
MAX RADIUS:	1.619
MEAN RADIUS:	0.580
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.800	1.641
2:	-0.015	0.740
3:	-0.030	0.332
4:	-0.455	0.046
5:	-0.470	-0.247
6:	0.413	0.316
7:	0.366	-0.040
8:	0.109	-0.063
9:	-0.046	-0.320
10:	0.113	-0.491



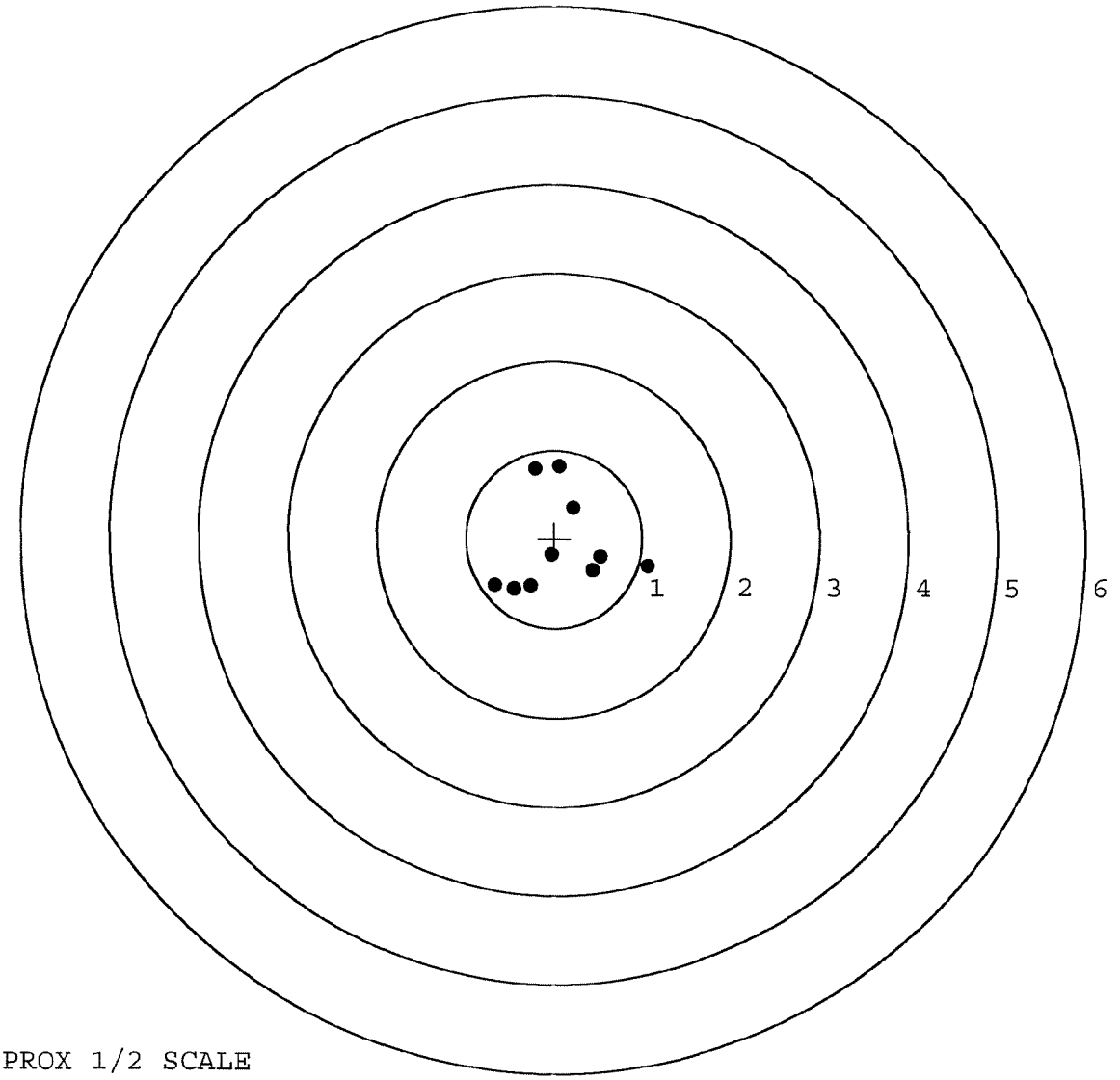
TARGET APPROX 1/2 SCALE

BARBER - M24 0064639

SERIAL NUMBER: C6348808.__0
TARGET NUMBER: 5
FILE DATE: 04/02/2009
FILE TIME: 04:59

X CENTROID:	0.065
Y CENTROID:	-0.073
POA TO CENTROID:	0.098
HORZ SPREAD:	1.741
VERT SPREAD:	1.385
GROUP SPREAD:	1.755
MIN RADIUS:	0.149
MAX RADIUS:	1.027
MEAN RADIUS:	0.652
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.215	0.789
2:	0.061	0.816
3:	0.220	0.350
4:	1.065	-0.310
5:	0.522	-0.206
6:	0.436	-0.355
7:	-0.034	-0.185
8:	-0.271	-0.534
9:	-0.676	-0.530
10:	-0.455	-0.569



TARGET APPROX 1/2 SCALE

09/10/08 10:30:04

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: RE00150681

Verify Repair

Serial: C6348875 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/13/1989

Repairman:

Status: Closed 9/9/2008 10:49:09 AM

Address Information

Customer: (Received From)		Return To: (Received From)	
Name:	HHC 2/8		HHC 2/8
Address 1:	BARKELEY AVE		BARKELEY AVE
Address 2:	BLDG 2160 PO Box:		BLDG 2160 PO Box:
City:	FORT CARSON		FORT CARSON
State:	CO Zip Code: 80913 Country: US	State:	CO Zip Code: 80913 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
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A055	Deployment Kit	1
D000	SCOPE CASE	1

Repair Search | Refresh | Close

nagletj | 9/10/2008 | 10:30 AM | CAPS | NUM | INS | SCRL

Start | 18 M... | Sumt... | 4 M... | Arms ... | PartS... | Vallab... | 10:30 AM

Serial Number: C6348875

Model: M24 SWS

RE00150681

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

R & B NUMBER: 150681
SERIAL NUMBER: CL6348875
LOG-IN DATE: 9-9-08

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		10-23-08	RTZ
505	RE-BARREL		10-24-08	RTZ
560	ASSEMBLE		10-24-08	RTZ
600	PROOF	MAGNA-FLUX	10-27-08	LPW
605	CHECK HEADSPACE		10-27-08	LPW
610	DIS-ASSEMBLE GUN		10-27-08	LPW
612	MAGNAFLUX	OPERATOR (KA)	10/24/08	KA
510	DRILL AND TAP		10-28-08	L
615	ROLLMARK CALIBER		10/29/08	KA
618	ROTO-BLAST			
620	APPLY COATINGS		10 31	—
625	FINAL ASSEMBLY		11-4-08	RTZ
640	FUNCTION TEST AND	(PASS) FAIL		
650	TARGET	(PASS) FAIL	11-10-08	L PW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION	11-10-08	TC
670	FINAL INSPECTION		12-4-08	L PW
	A) HEADSPACE	(PASS) FAIL	12-4-08	L PW
	B) TRIGGER PULL (+/- .5 LBS; MIN 2.50 LBS; MAX 4.0 LBS)	262 262 262 260 263	12-4-08	L PW
680	F) SAFETY ON FORCE (2 LBS MIN; 10 LBS MAX)	4.0 4.0 4.0	12-4-08	L PW
	G) SAFETY OFF FORCE (2 LBS MIN)	5.0 5.0 5.0	12-4-08	L PW
	I) FIRING PIN INDENT .020	.021 .022 .022	12-4-08	L PW
690	PACK		4/7/09	Fm

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348875.__0
FILE DATE AND TIME: 11/10/2008 **14:57**

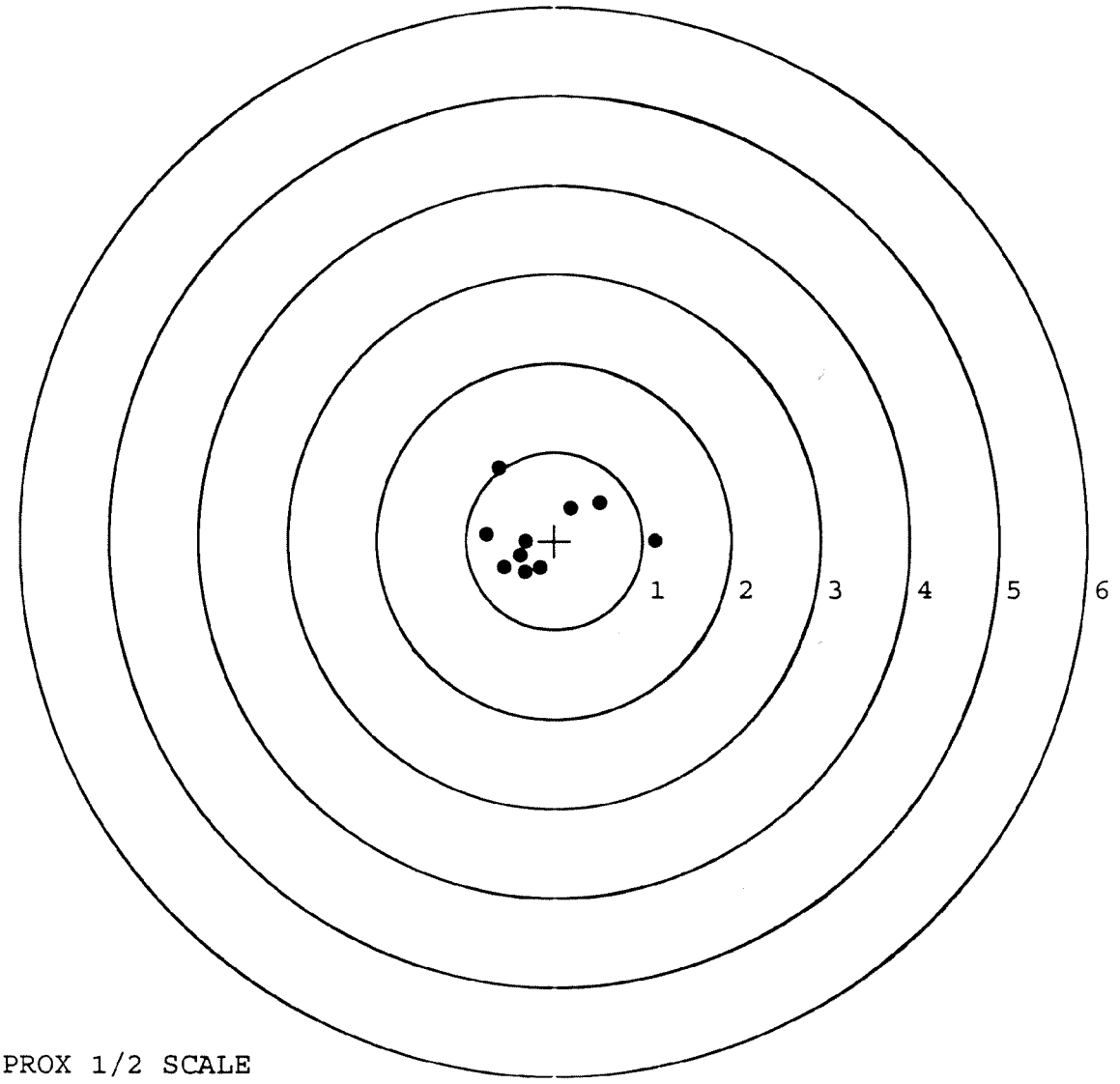
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.004
The Average Y Centroid of the Five Target Set:	-0.138
The Average Point of Impact of the Five Target Set:	0.139
The Average Mean Radius of the Five Target Set:	0.542
The Distance from POA to Centroid Target #1:	0.146
The Distance from Centroid Target #2 to Centroid Target #1:	0.293
The Distance from Centroid Target #3 to Centroid Target #1:	0.282
The Distance from Centroid Target #4 to Centroid Target #1:	0.263
The Distance from Centroid Target #5 to Centroid Target #1:	0.430

SERIAL NUMBER: C6348875.__0
TARGET NUMBER: 1
FILE DATE: 11/10/2008
FILE TIME: 14:57

X CENTROID:	-0.135
Y CENTROID:	0.055
POA TO CENTROID:	0.146
HORZ SPREAD:	1.911
VERT SPREAD:	1.180
GROUP SPREAD:	1.958
MIN RADIUS:	0.207
MAX RADIUS:	1.280
MEAN RADIUS:	0.597
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.632	0.825
2:	0.187	0.372
3:	0.514	0.429
4:	1.144	0.000
5:	-0.161	-0.310
6:	-0.337	-0.355
7:	-0.571	-0.305
8:	-0.392	-0.172
9:	-0.332	-0.007
10:	-0.767	0.077



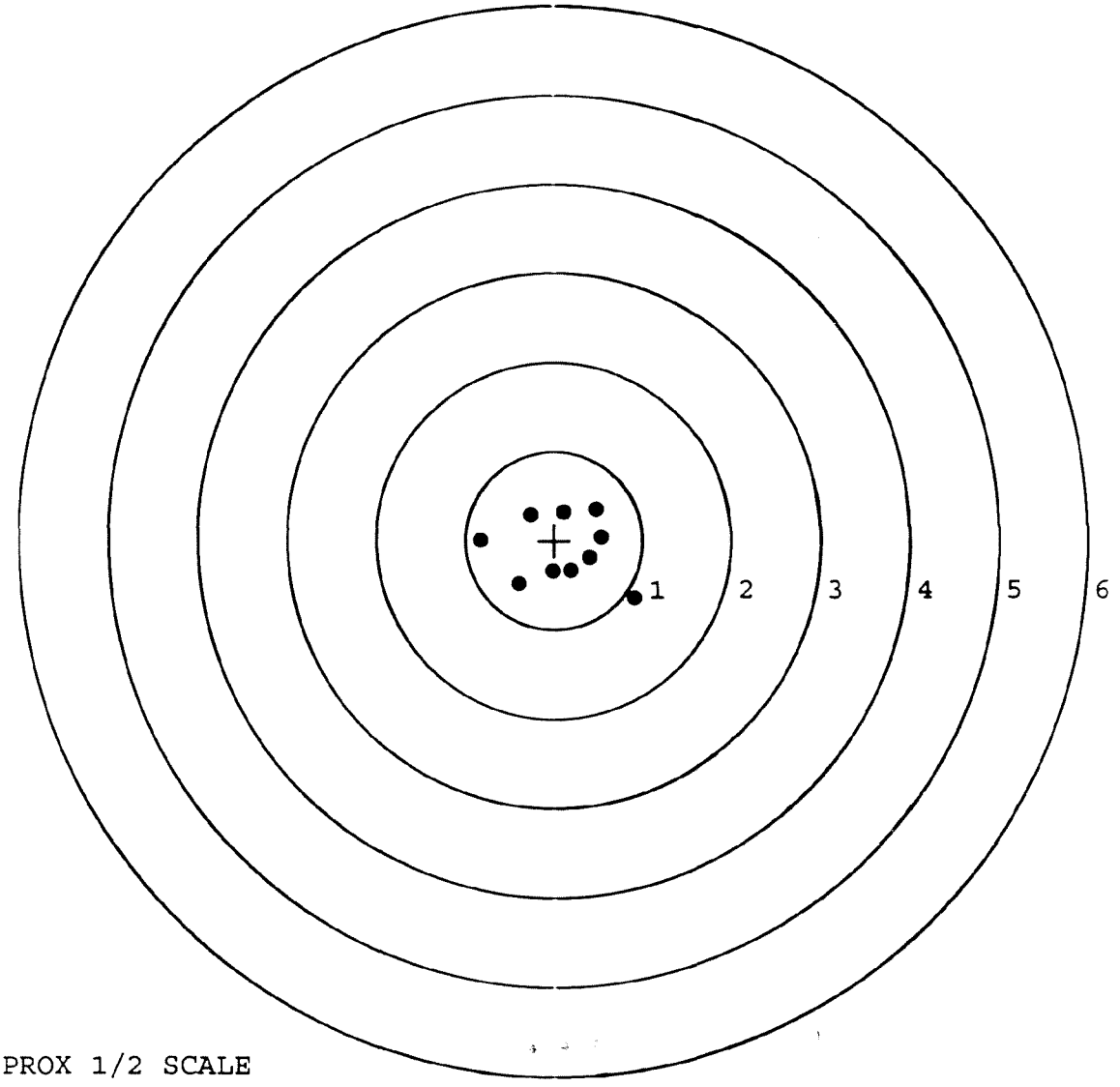
TARGET APPROX 1/2 SCALE

BARBER - M24 0064644

SERIAL NUMBER: C6348875.__0
TARGET NUMBER: 2
FILE DATE: 11/10/2008
FILE TIME: 14:57

X CENTROID:	0.112
Y CENTROID:	-0.102
POA TO CENTROID:	0.151
HORZ SPREAD:	1.747
VERT SPREAD:	1.008
GROUP SPREAD:	1.866
MIN RADIUS:	0.256
MAX RADIUS:	0.968
MEAN RADIUS:	0.541
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.909	-0.652
2:	0.406	-0.196
3:	0.192	-0.345
4:	-0.019	-0.353
5:	-0.405	-0.487
6:	-0.838	0.003
7:	-0.260	0.290
8:	0.118	0.320
9:	0.486	0.356
10:	0.529	0.043



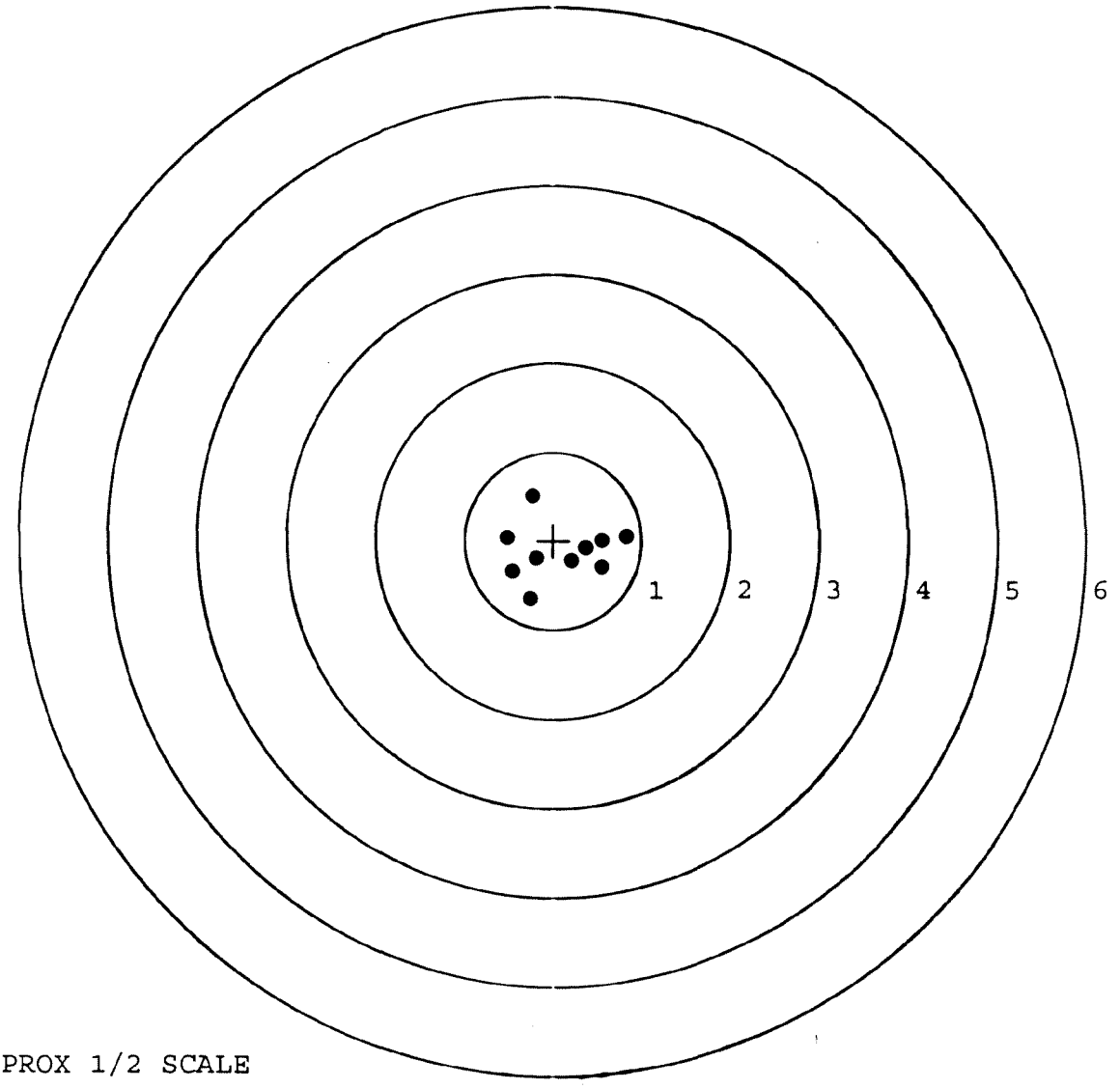
TARGET APPROX 1/2 SCALE

BARBER - M24 0064645

SERIAL NUMBER: C6348875.__0
TARGET NUMBER: 3
FILE DATE: 11/10/2008
FILE TIME: 14:57

X CENTROID:	0.084
Y CENTROID:	-0.122
POA TO CENTROID:	0.148
HORZ SPREAD:	1.355
VERT SPREAD:	1.168
GROUP SPREAD:	1.356
MIN RADIUS:	0.166
MAX RADIUS:	0.767
MEAN RADIUS:	0.506
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.228	0.509
2:	-0.523	0.034
3:	-0.464	-0.348
4:	-0.196	-0.206
5:	-0.261	-0.659
6:	0.211	-0.229
7:	0.550	-0.297
8:	0.371	-0.081
9:	0.550	0.011
10:	0.832	0.050

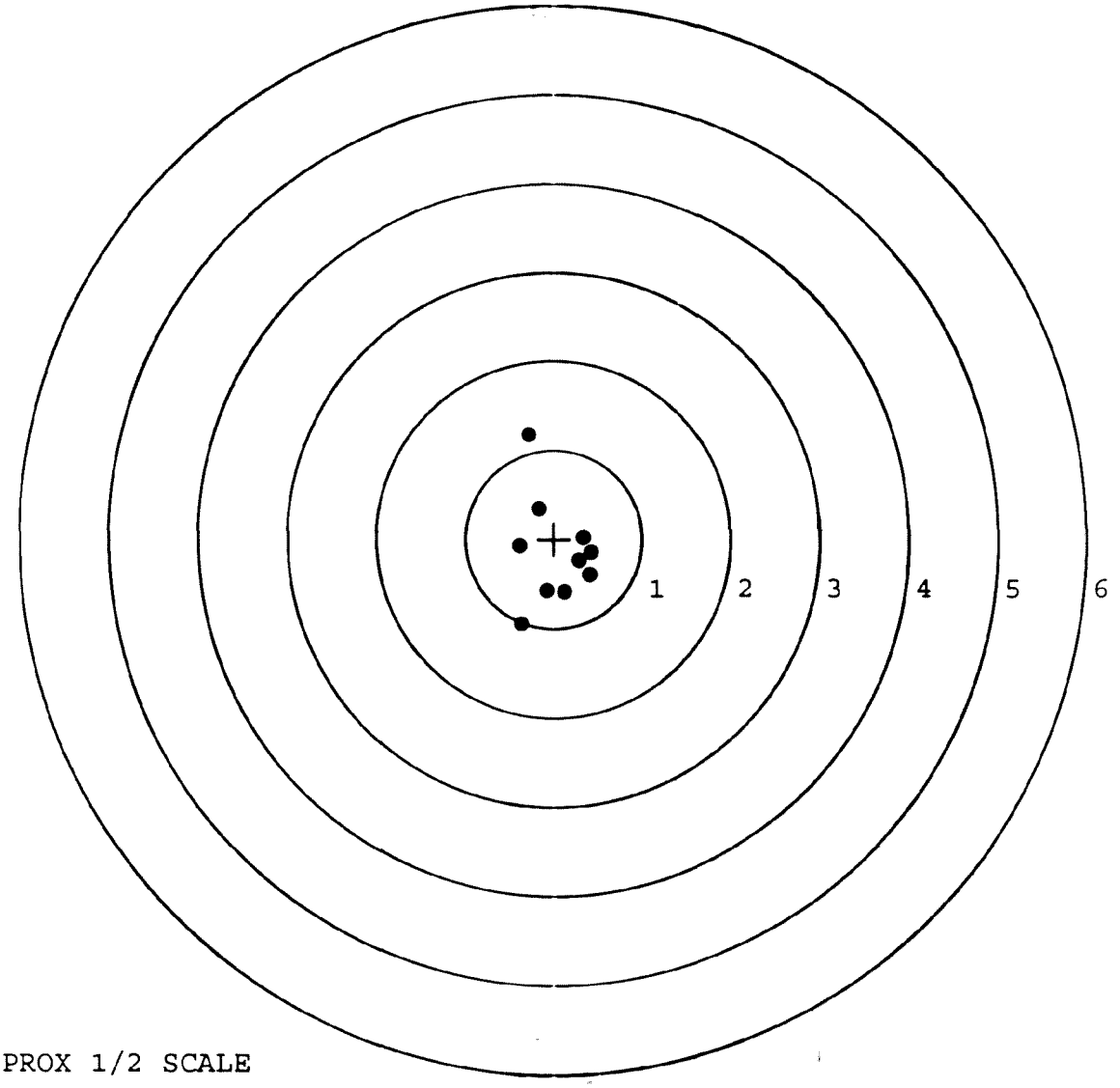


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348875.__0
TARGET NUMBER: 4
FILE DATE: 11/10/2008
FILE TIME: 14:57

X CENTROID:	0.030
Y CENTROID:	-0.149
POA TO CENTROID:	0.152
HORZ SPREAD:	0.815
VERT SPREAD:	2.129
GROUP SPREAD:	2.131
MIN RADIUS:	0.278
MAX RADIUS:	1.355
MEAN RADIUS:	0.561
# IN 1 IN DIAMETER:	7
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.282	1.169
2:	-0.166	0.344
3:	-0.389	-0.085
4:	-0.367	-0.960
5:	-0.083	-0.585
6:	0.126	-0.600
7:	0.410	-0.404
8:	0.291	-0.246
9:	0.426	-0.150
10:	0.337	0.023



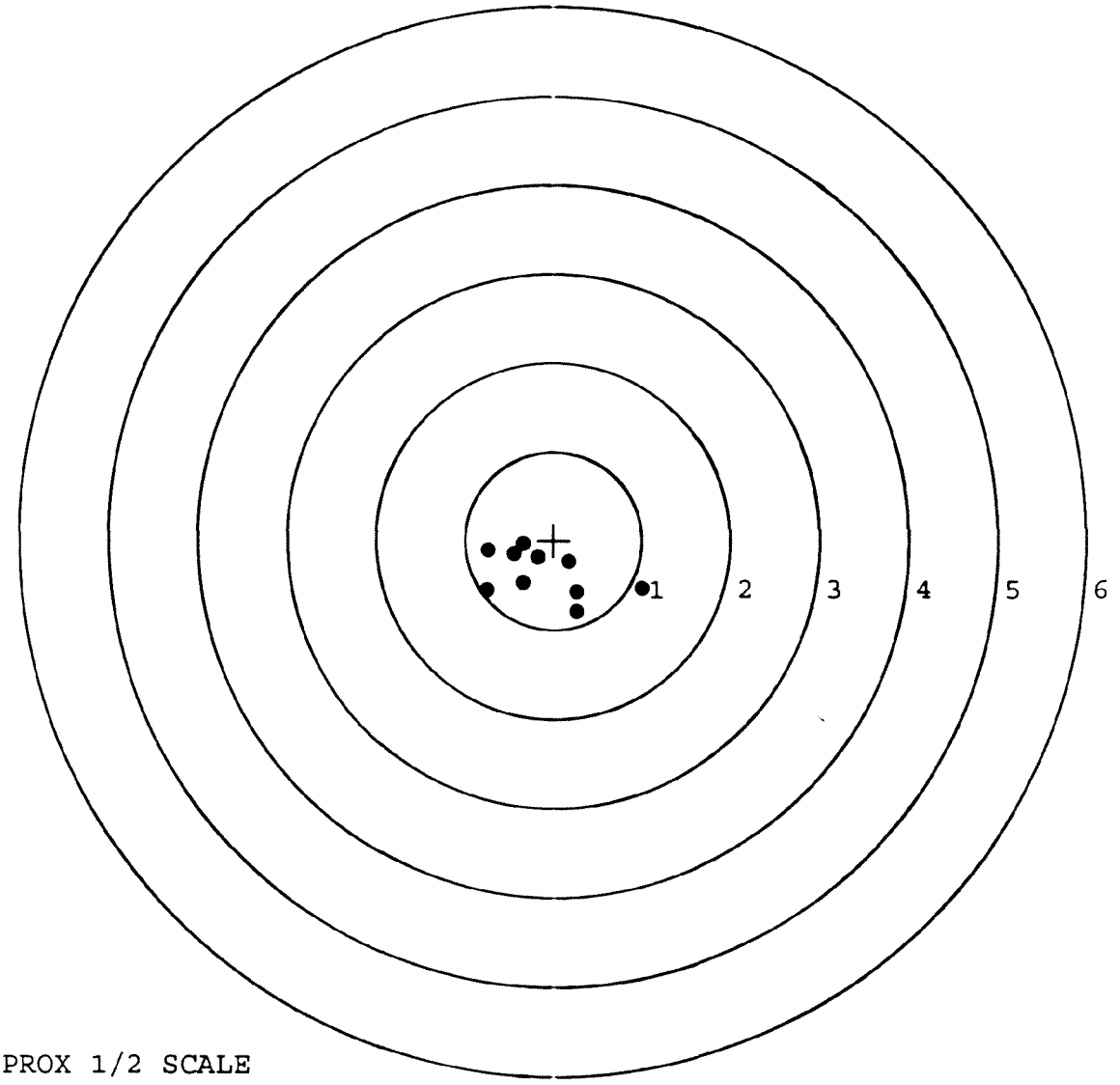
TARGET APPROX 1/2 SCALE

BARBER - M24 0064647

SERIAL NUMBER: C6348875.__0
TARGET NUMBER: 5
FILE DATE: 11/10/2008
FILE TIME: 14:57

X CENTROID:	-0.113
Y CENTROID:	-0.374
POA TO CENTROID:	0.391
HORZ SPREAD:	1.762
VERT SPREAD:	0.806
GROUP SPREAD:	1.795
MIN RADIUS:	0.192
MAX RADIUS:	1.128
MEAN RADIUS:	0.506
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.002	-0.545
2:	0.261	-0.806
3:	0.265	-0.585
4:	0.174	-0.246
5:	-0.348	-0.483
6:	-0.185	-0.196
7:	-0.348	-0.042
8:	-0.449	-0.159
9:	-0.742	-0.119
10:	-0.760	-0.564



TARGET APPROX 1/2 SCALE

Remington® DUPONT REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

SERIAL NO. C6348808

ORDER NO. 5716

01

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

5716 C6348808

UPC

0 47700 25716 7

M-24

Scan 0221

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348808

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 25	89	RW
600	Proof	7 25	89	RW
607	Check Headspace		89	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		7/26/89	KCK
	Magnaflux Bolt		7/26/89	KCK
615	Rollmark Caliber		7/26/89	C.S.
7	Drill and Tap Sight Holes		7/29/89	WC
618	Polish Barrel RKB		7/31/89	RKB
620	Apply Coatings (Barrel Action)		8/2/89	TJF
	Apply Coating (Bolt)		8/2/89	TJF
625	Final Assembly A) Clean inside of Bolt Assembly		8/7/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/7/89	RW
	C) Inspect Ejector Hole for Chamfer		8/7/89	RW
	D) Oil Firing Pin Ass'y		8/7/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/9/89	GS

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force	5 | 5 | 5	8 Aug 89	GSS
	G) Safety Off Force	5 | 5 | 5	8 Aug 89	GSS
	H) Trigger Pull Test & Retainability		8 Aug 89	GSS
	I) Firing Pin Indent	.0215 | .021 | .021	8 Aug 89	GSS
	J) Assemble Stock		8/9/89	RW
	K) Assemble Swivel Studs		16 Aug 89	GSS
	L) Attach Front and Rear Sight Assemblies		8/9/89	RW
	M) Iron Sight Alignment		8/9/89	RW
	N) Detach Front & Rear Sights & place in numbered container		8/9/89	RW
	O) Attach Scope to Rifle		10 Aug 89	GSS
	P) Detach & Attach Scope 20 Times		10 Aug 89	GSS
640	Gallery Target & Test	64 & 88L	8-11-89	DH
	A) Time		8-11-89	DH
	B) Malfunctions		8-11-89	DH
	C) Pierced Primers		8-11-89	DH
	D) Optical Clearity of Scope		8-11-89	DH
645	Inspect for Live Ammo		8-11-89	DH
655	Final Inspection A) Headspace		16 Aug 89	GSS
	B) Trigger Pull	2.65 | 2.73 | 2.79 | 2.66 | 2.72	16 Aug 89	GSS
	C) Function		16 Aug 89	GSS
660	Pack		20 Sept 89	GSS

SWS TRIGGER PULL TEST

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

SERIAL NO. 8808

DATE _____

TESTER _____

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.15	2.10	2.24		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPTABLE LESS THAN 2#
PULL #2	2.34	2.11	2.22		
PULL #3	2.16	2.00	2.12		
PULL #4	2.12	2.02	2.09		
PULL #5	2.23	2.09	2.09		
TOTAL	11.00	10.32	10.76		
AVG.	2.20	2.06	2.15		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.27		
PULL #2	3.06	3.19		
PULL #3	3.14	3.18		
PULL #4	3.08	3.28		
PULL #5	3.17	3.05		
TOTAL	15.72	15.97		
AVG.	3.14	3.19		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.44		
PULL #2	4.02	4.14		
PULL #3	4.02	4.17		
PULL #4	4.05	4.13		
PULL #5	4.11	4.22		
TOTAL	20.47	21.10		
AVG.	4.09	4.22		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348808
14 Aug 1989

CENTROIDAL DISTANCES

0	TO	1	.361707
1	TO	2	.32222
1	TO	3	.186196
1	TO	4	.488427
1	TO	5	.423208

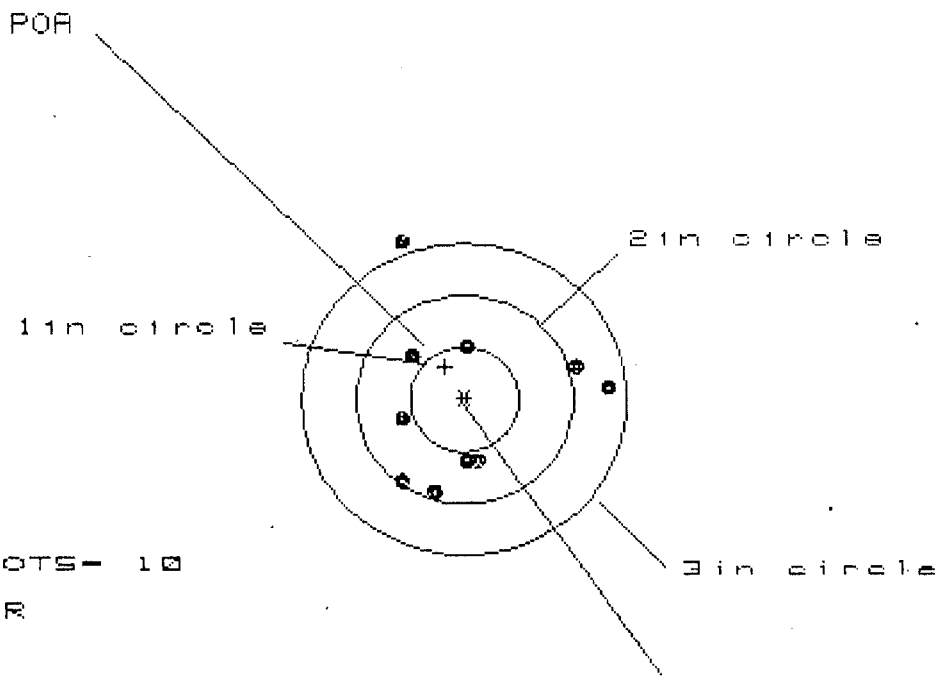
<---POA

HE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3942
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1568
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .42424

THE HMR FOR THIS RIFLE IS: .9606

14 Aug 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6348888

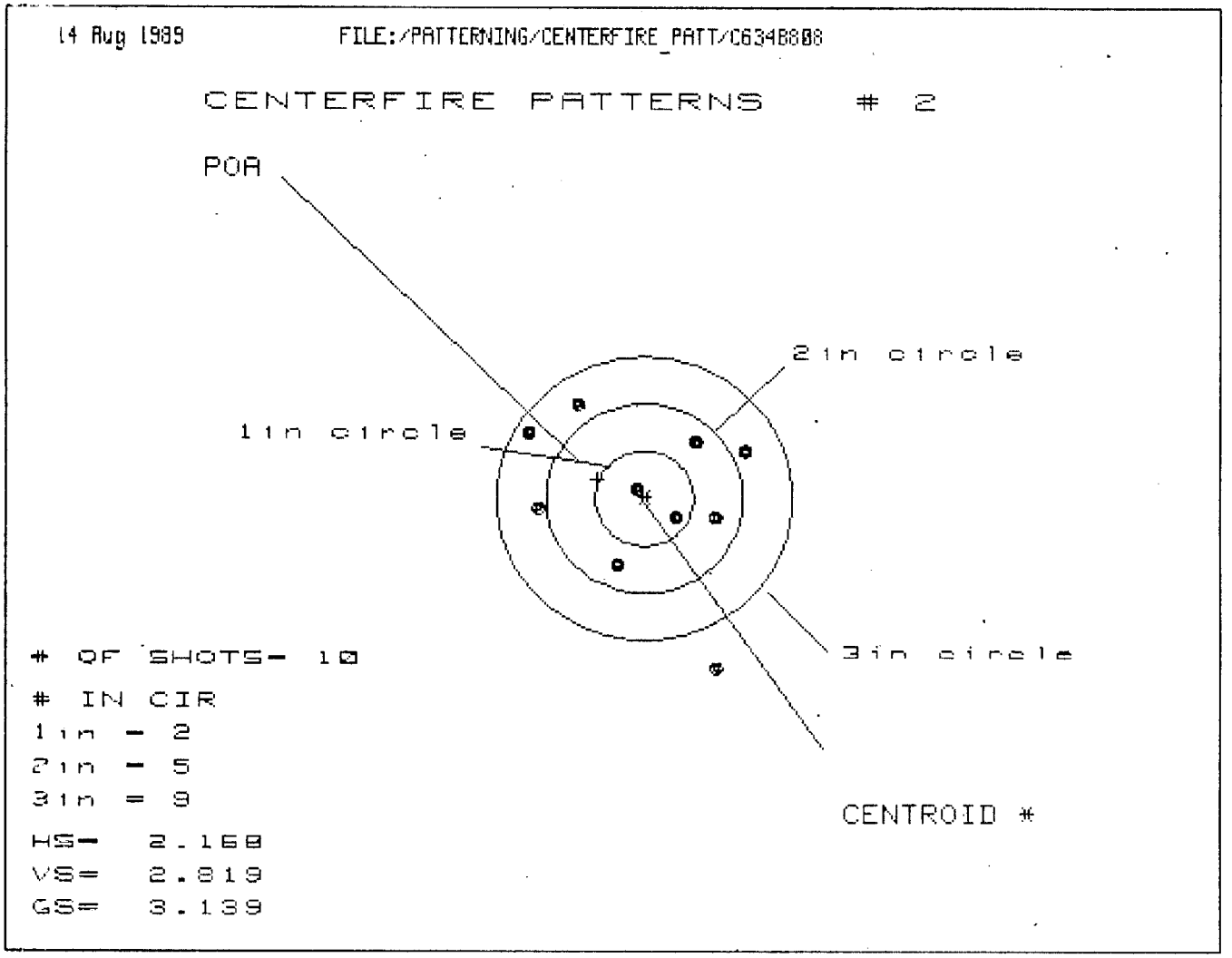
CENTERFIRE PATTERNS # 1



# OF SHOTS= 10
# IN CIR
1in = 0
2in = 7
3in = 9
HS= 1.888
VS= 2.438
GS= 2.457

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.280	1.213	1.119
MINIMUM X	:	-.608	-.670	-.518
MAXIMUM Y	:	1.556	.736	.771
MINIMUM Y	:	-.882	-.709	-.674
CENTROID X	:	.176	.243	.091
CENTROID Y	:	-.316	-.489	-.524
POA TO CENTROID in.	:	.361	.546	.532
MIN RADIUS	:	.561	.386	.375
MEAN RADIUS	:	.888	.775	.688
MAX RADIUS	:	1.670	1.246	1.242
HORIZONTAL SPREAD	:	1.888	1.883	1.637
VERTICAL SPREAD	:	2.438	1.445	1.445
EXTREME SPREAD	:	2.457	2.078	1.971

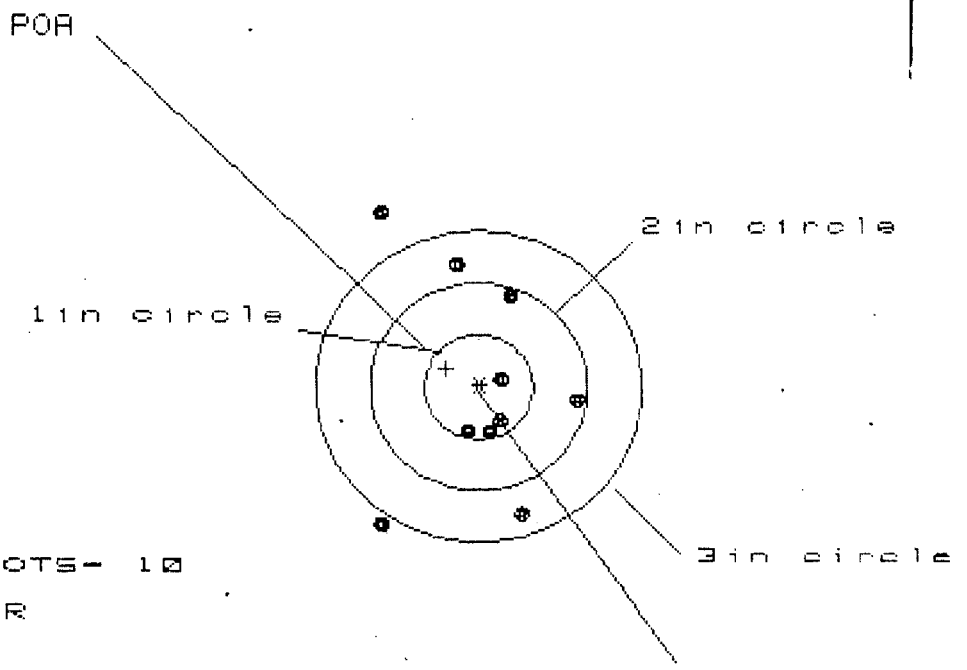
NUMBER IN ONE INCH CIRCLE = 0
NUMBER IN TWO INCH CIRCLE = 7
NUMBER IN THREE INCH CIRCLE = 9



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.017	1.097	.963
MINIMUM X	:	-1.151	-1.071	-1.138
MAXIMUM Y	:	1.037	.839	.903
MINIMUM Y	:	-1.782	-.919	-.855
CENTROID X	:	.477	.397	.531
CENTROID Y	:	-.201	-.003	-.067
POA TO CENTROID in.	:	.518	.397	.535
MIN RADIUS	:	.183	.066	.169
MEAN RADIUS	:	.959	.841	.782
MAX RADIUS	:	1.922	1.187	1.160
HORIZONTAL SPREAD	:	2.168	2.168	2.101
VERTICAL SPREAD	:	2.819	1.758	1.758
EXTREME SPREAD	:	3.139	2.189	2.189
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Aug 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6346808

CENTERFIRE PATTERNS # 3

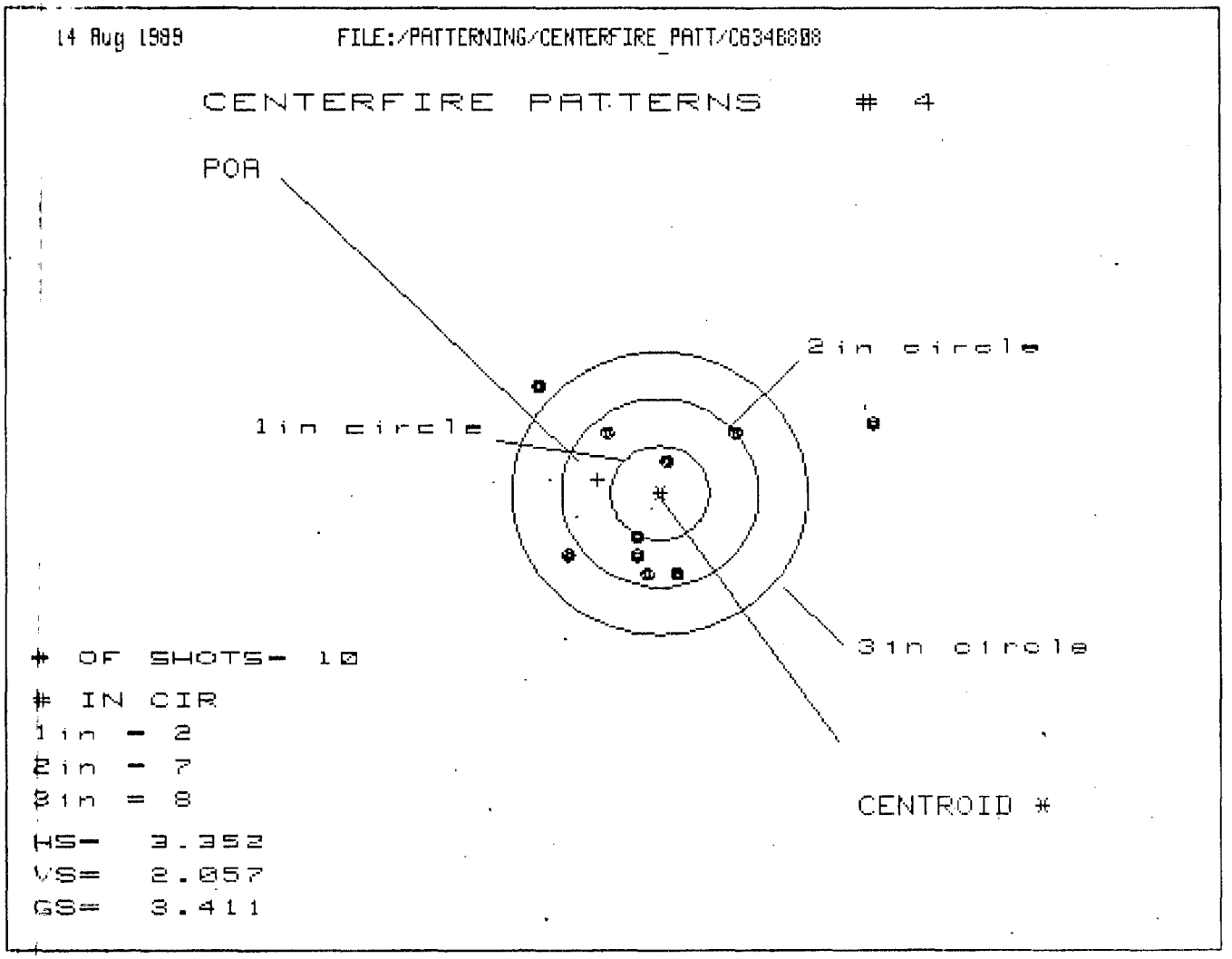


OF SHOTS= 10

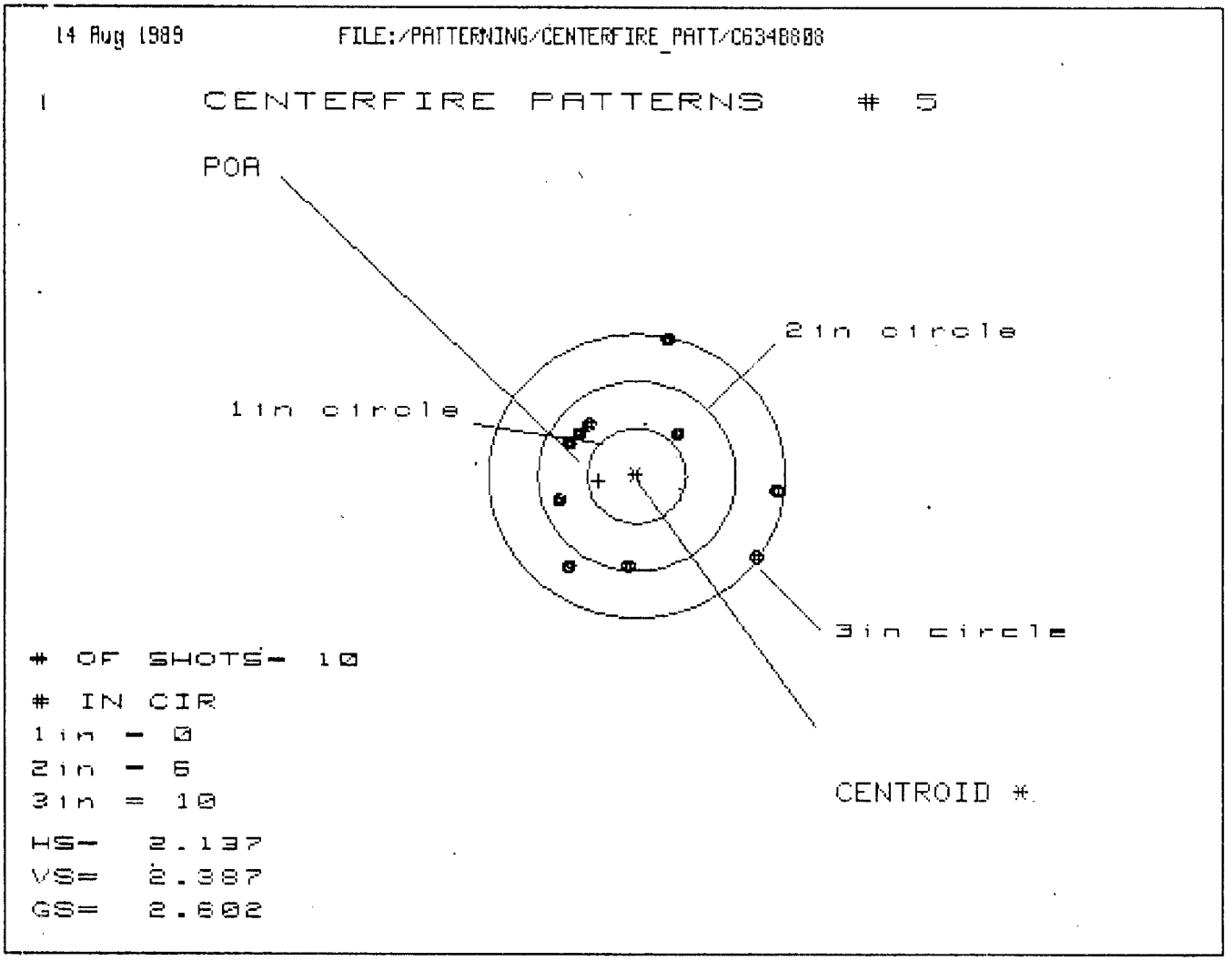
# IN CIR
1in = 4
2in = 6
3in = 8

HS= 1.797
VS= 3.017
GS= 3.166

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.909	.810	.691
MINIMUM X	:	-.888	-.956	-.393
MAXIMUM Y	:	1.696	1.327	1.186
MINIMUM Y	:	-1.321	-1.133	-1.154
CENTROID X	:	.301	.400	.519
CENTROID Y	:	-.178	-.366	-.225
POA TO CENTROID in.	:	.350	.542	.566
MIN RADIUS	:	.266	.163	.162
MEAN RADIUS	:	.923	.758	.674
MAX RADIUS	:	1.914	1.482	1.249
HORIZONTAL SPREAD	:	1.797	1.766	1.084
VERTICAL SPREAD	:	3.017	2.460	2.340
EXTREME SPREAD	:	3.166	2.553	2.407
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.145	.971	.850
MINIMUM X	:	-1.207	-.969	-.856
MAXIMUM Y	:	1.158	1.237	.892
MINIMUM Y	:	-.899	-.820	-.665
CENTROID X	:	.632	.394	.515
CENTROID Y	:	-.141	-.220	-.375
POA TO CENTROID in.	:	.648	.451	.637
MIN RADIUS	:	.368	.357	.217
MEAN RADIUS	:	1.021	.855	.720
MAX RADIUS	:	2.261	1.571	1.198
HORIZONTAL SPREAD	:	3.352	1.940	1.706
VERTICAL SPREAD	:	2.057	2.057	1.557
EXTREME SPREAD	:	3.411	2.496	2.133
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.386	1.520	1.576
MINIMUM X	:	-.751	-.617	-.561
MAXIMUM Y	:	1.422	1.325	.570
MINIMUM Y	:	-.965	-1.062	-.897
CENTROID X	:	.385	.251	.195
CENTROID Y	:	.052	.149	-.016
POA TO CENTROID in.	:	.388	.292	.196
MIN RADIUS	:	.596	.528	.594
MEAN RADIUS	:	1.012	.922	.858
MAX RADIUS	:	1.487	1.536	1.577
HORIZONTAL SPREAD	:	2.137	2.137	2.137
VERTICAL SPREAD	:	2.387	2.387	1.467
EXTREME SPREAD	:	2.602	2.602	2.267
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	