

4-4

C6498813

9

MODEL 700™ M24

Model **SWS**™

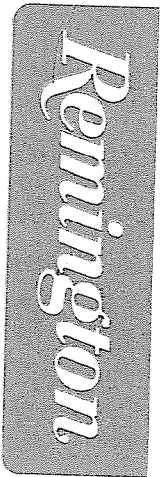
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0008157

02/25/09 14:00:30

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: RE00162716 Serial: C6498813 Model M24 SWS Center Fire
Verify Repair Caliber: 7.62 NATO Produced: 06/19/1990 Repairman: Status: Closed 2/24/2009 1:47:26 PM

Address Information

Customer: Received From Return To: Received From

Name: DEF DIST DEPOT ANNISTON AL DEF DIST DEPOT ANNISTON AL

Address 1: 7 FRANKFORD AVE BLDG 362 7 FRANKFORD AVE BLDG 362

Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 36201 Country: US State: AL Zip Code: 36201 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
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close Refresh Close

start 9 Microsoft 4 Microsoft My Exate - Wi Arms Services Part Search b Create PM No 2:00 PM

Serial Number: C6498813
Model: M24 SWS
RE00162716

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0008196

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

162716

SERIAL NUMBER

064988L3

LOG-IN DATE

2-24-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-17-09	RTZ
505	RE-BARREL	6-24-09	RTZ
420	ASSEMBLE	6-24-09	RTZ
440	PROOF	6-23-09	RTZ
460	CHECK HEADSPACE	6-23-09	RTZ
470	DIS-ASSEMBLE GUN	6-23-09	RTZ
480	MAGNAFLUX	6-26-09	RTZ
510	DRILL AND TAP	6-24-09	SP
500	ROLLMARK CALIBER	6-26-09	RTZ
520	GOFF BLAST BBL / REC	6-26-09	RTZ
530 & 540	APPLY COATINGS	7-12	RTZ
560	FINAL ASSEMBLY	7-10-09	RTZ
640	FUNCTION TEST AND	7-10-09	RP
650	TARGET	7-10-09	RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	7-10-09	SP
	A) HEADSPACE	7-14-09	RTZ
	B) TRIGGER PULL	252 258 260 258 257 7-13-09	RTZ
680	F) SAFETY ON FORCE	4.0 4.0 3.0 7-14-09	RTZ
	G) SAFETY OFF FORCE	5.0 5.0 5.0 7-14-09	RTZ
	I) FIRING PIN INDENT	.024 .024 .024 7-14-09	RTZ
690	PACK	7-14-09	RTZ

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498813.0
FILE DATE AND TIME: 07/13/2009 14:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.001
The Average Y Centroid of the Five Target Set:	-0.047
The Average Point of Impact of the Five Target Set:	0.047
The Average Mean Radius of the Five Target Set:	0.665
The Distance from POA to Centroid Target #1:	0.092
The Distance from Centroid Target #2 to Centroid Target #1:	0.350
The Distance from Centroid Target #3 to Centroid Target #1:	0.106
The Distance from Centroid Target #4 to Centroid Target #1:	0.126
The Distance from Centroid Target #5 to Centroid Target #1:	0.255

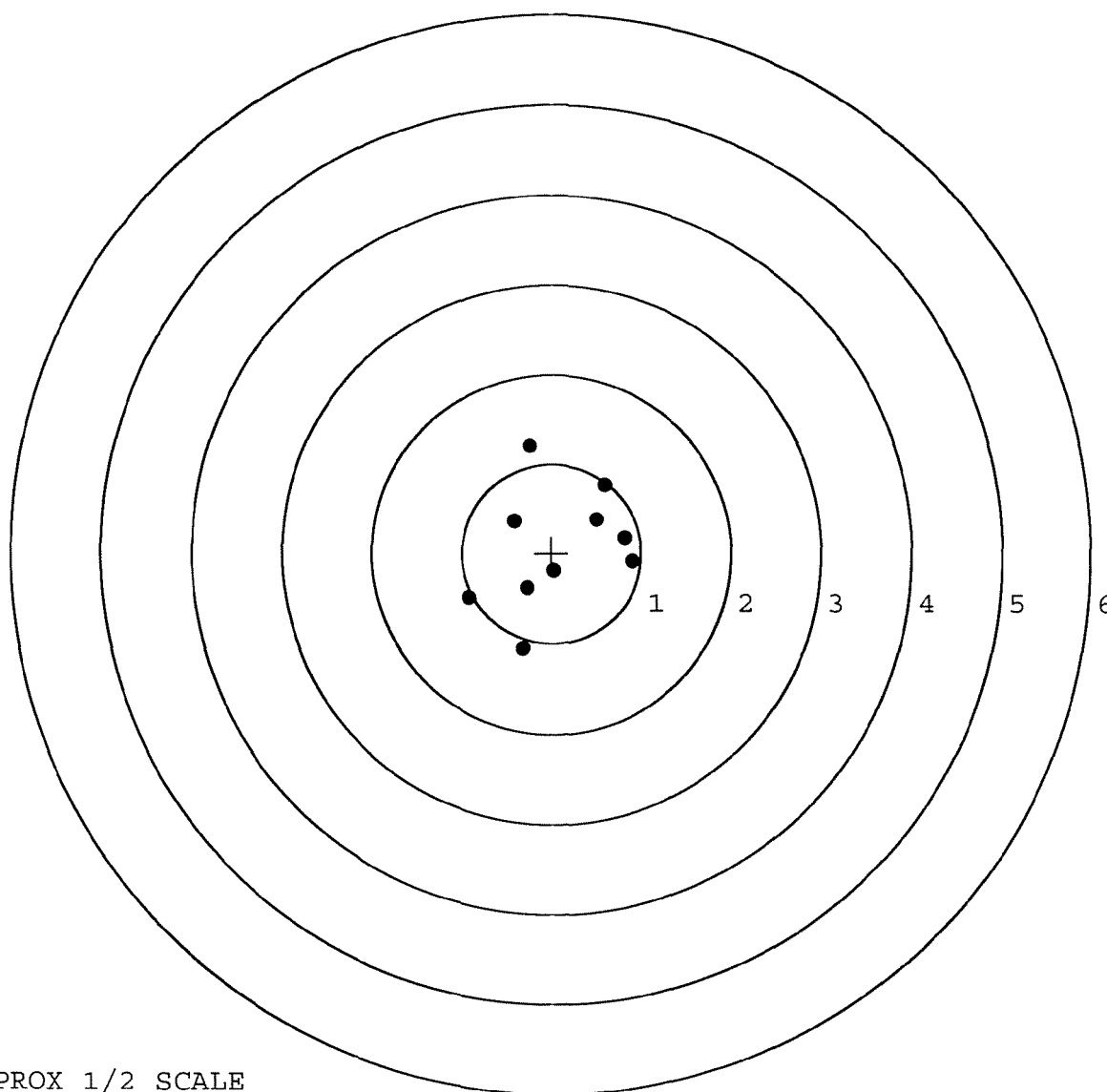
BARBER - M24 0008160

SERIAL NUMBER: C6498813. __0
 TARGET NUMBER: 1
 FILE DATE: 07/13/2009
 FILE TIME: 14:16

X CENTROID: 0.064
 Y CENTROID: 0.066
 POA TO CENTROID: 0.092
 HORZ SPREAD: 1.823
 VERT SPREAD: 2.268
 GROUP SPREAD: 2.270
 MIN RADIUS: 0.266
 MAX RADIUS: 1.195
 MEAN RADIUS: 0.795

POINT#	X	Y
1:	-0.243	1.206
2:	-0.425	0.364
3:	0.025	-0.198
4:	-0.274	-0.389
5:	-0.921	-0.499
6:	-0.333	-1.062
7:	0.902	-0.093
8:	0.810	0.176
9:	0.504	0.382
10:	0.595	0.769

IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



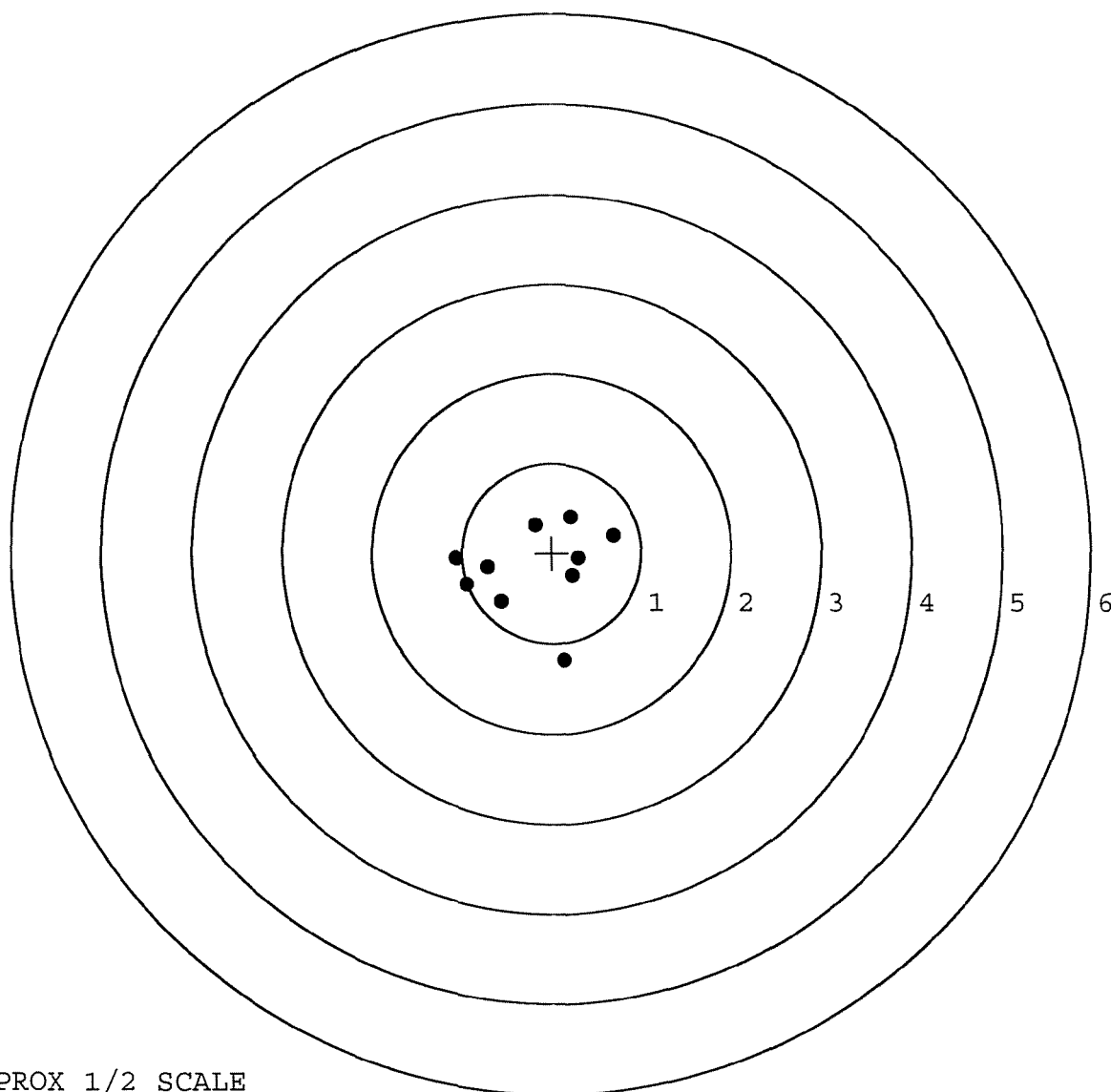
TARGET APPROX 1/2 SCALE

BARBER - M24 0008161

SERIAL NUMBER: C6498813. __0
TARGET NUMBER: 2
FILE DATE: 07/13/2009
FILE TIME: 14:16

X CENTROID: -0.195
Y CENTROID: -0.170
POA TO CENTROID: 0.259
HORZ SPREAD: 1.753
VERT SPREAD: 1.594
GROUP SPREAD: 1.652
MIN RADIUS: 0.435
MAX RADIUS: 1.072
MEAN RADIUS: 0.685
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.136	-1.190
2:	-0.573	-0.541
3:	-0.949	-0.352
4:	-0.716	-0.158
5:	-1.073	-0.064
6:	0.232	-0.252
7:	0.295	-0.056
8:	-0.191	0.311
9:	0.209	0.404
10:	0.680	0.195



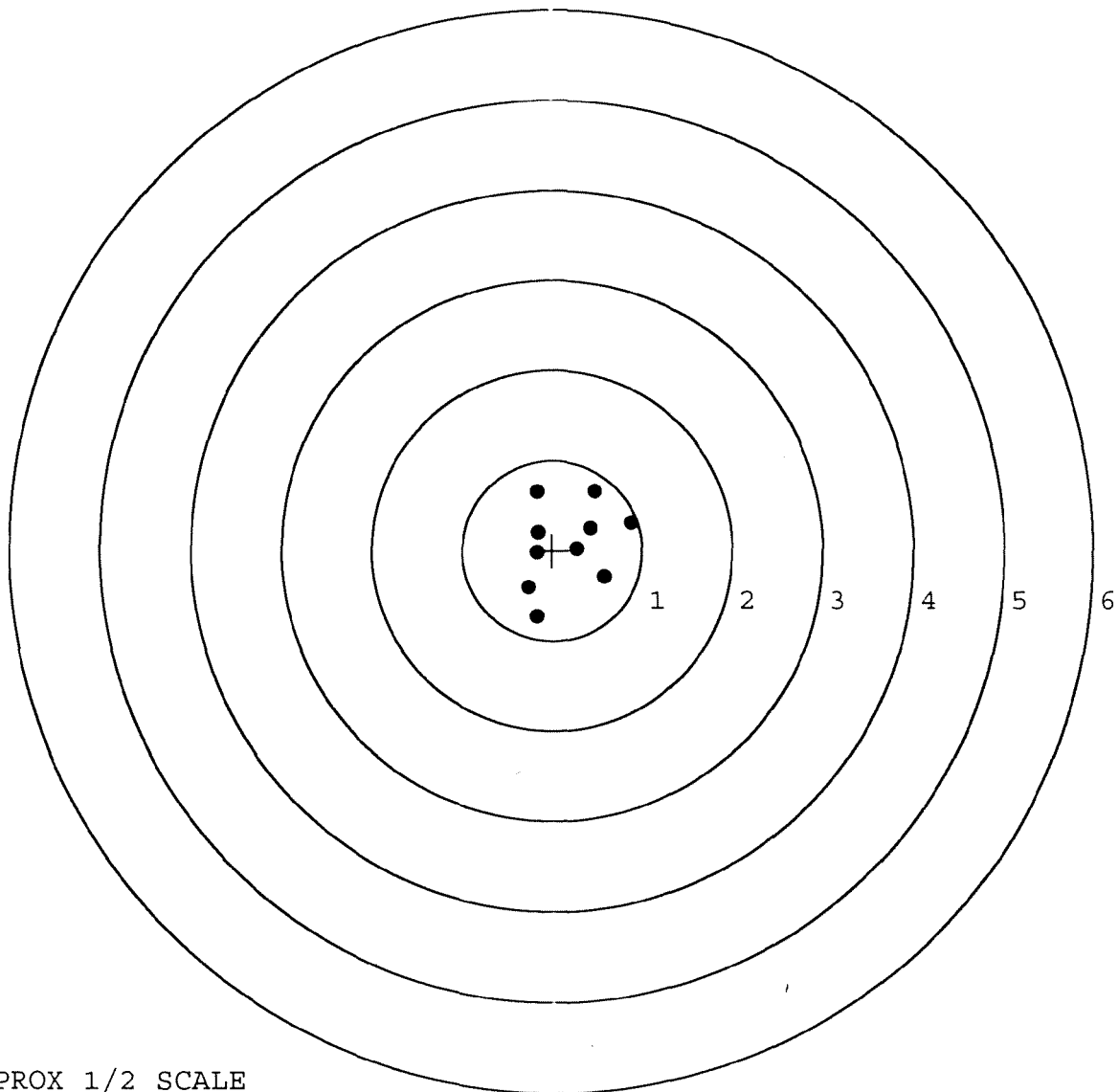
TARGET APPROX 1/2 SCALE

BARBER - M24 0008162

SERIAL NUMBER: C6498813. __ 0
TARGET NUMBER: 3
FILE DATE: 07/13/2009
FILE TIME: 14:16

X CENTROID: 0.170
Y CENTROID: 0.063
POA TO CENTROID: 0.182
HORZ SPREAD: 1.145
VERT SPREAD: 1.401
GROUP SPREAD: 1.547
MIN RADIUS: 0.119
MAX RADIUS: 0.873
MEAN RADIUS: 0.532
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.479	0.663
2:	0.877	0.308
3:	0.586	-0.291
4:	0.279	0.014
5:	-0.169	0.656
6:	-0.163	0.206
7:	-0.169	-0.025
8:	-0.268	-0.413
9:	-0.176	-0.738
10:	0.426	0.253



TARGET APPROX 1/2 SCALE

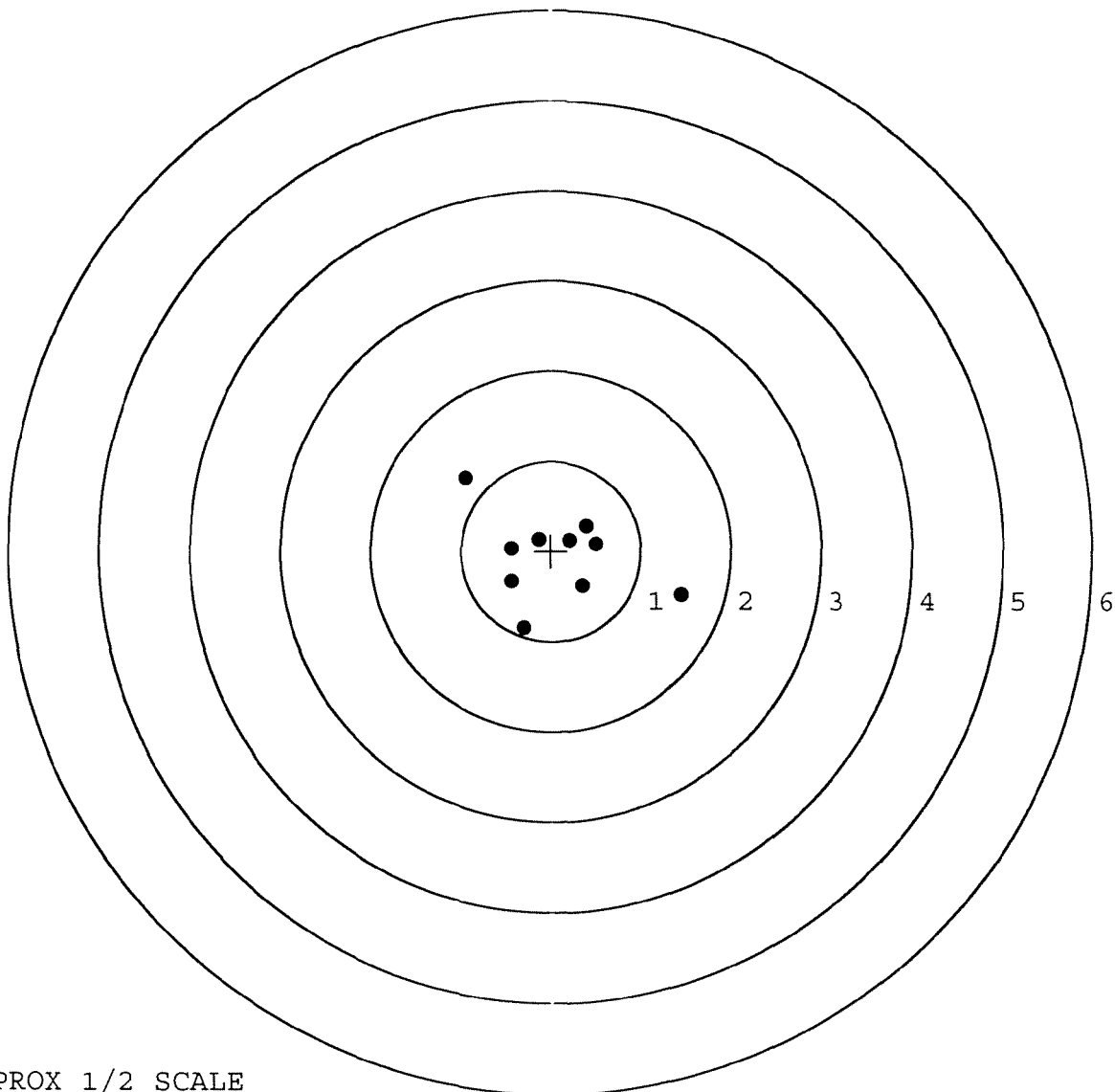
BARBER - M24 0008163

SERIAL NUMBER: C6498813. __ 0
TARGET NUMBER: 4
FILE DATE: 07/13/2009
FILE TIME: 14:16

X CENTROID: 0.060
Y CENTROID: -0.060
POA TO CENTROID: 0.085
HORZ SPREAD: 2.404
VERT SPREAD: 1.675
GROUP SPREAD: 2.733
MIN RADIUS: 0.231
MAX RADIUS: 1.456
MEAN RADIUS: 0.664

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.951	0.816
2:	1.453	-0.485
3:	-0.311	-0.859
4:	0.347	-0.382
5:	-0.440	-0.340
6:	-0.446	0.029
7:	-0.141	0.131
8:	0.205	0.120
9:	0.499	0.086
10:	0.389	0.285



TARGET APPROX 1/2 SCALE

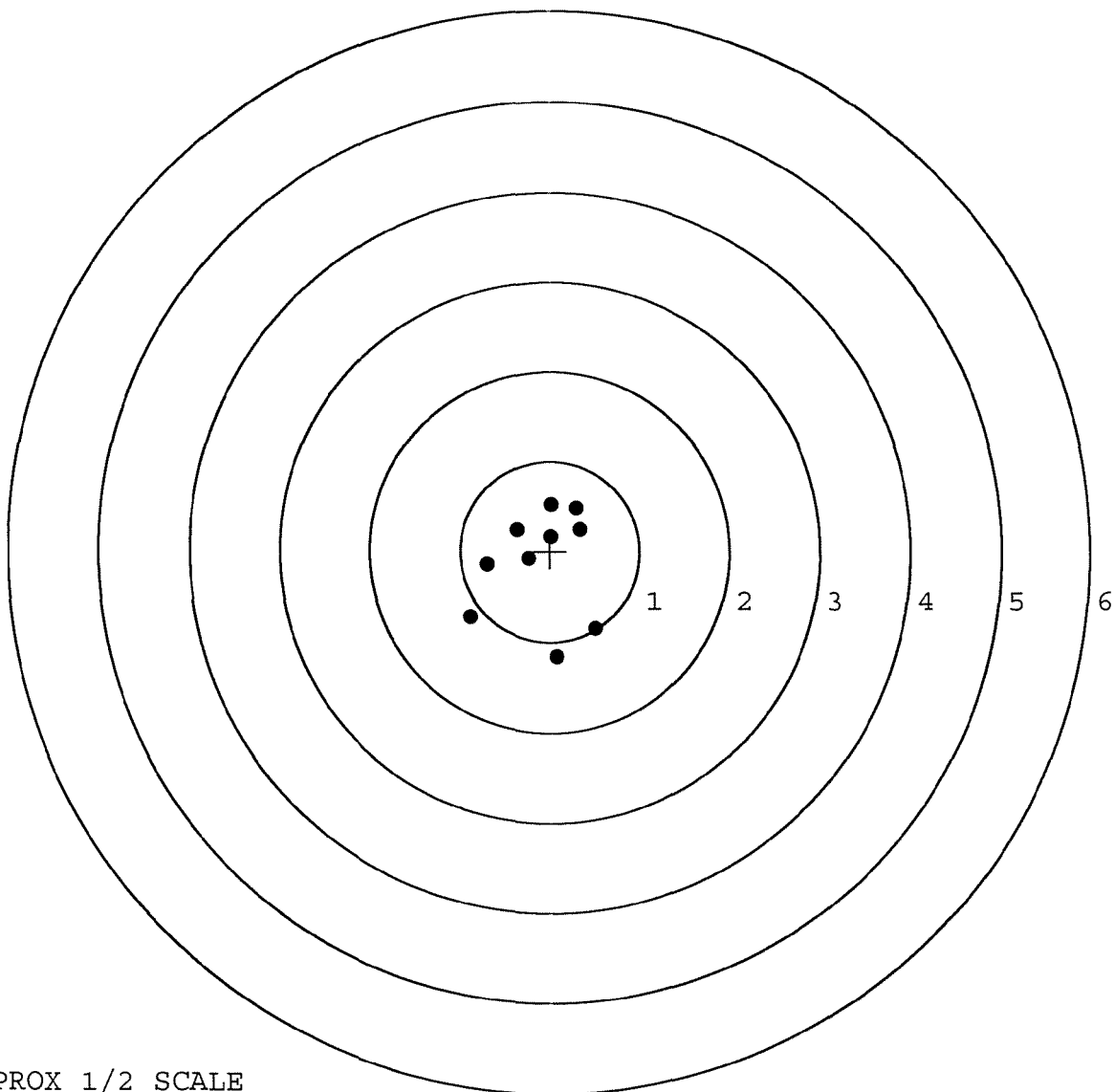
BARBER - M24 0008164

SERIAL NUMBER: C6498813. __0
TARGET NUMBER: 5
FILE DATE: 07/13/2009
FILE TIME: 14:16

X CENTROID: -0.096
Y CENTROID: -0.133
POA TO CENTROID: 0.164
HORZ SPREAD: 1.392
VERT SPREAD: 1.697
GROUP SPREAD: 1.698
MIN RADIUS: 0.155
MAX RADIUS: 1.053
MEAN RADIUS: 0.650

POINT#	X	Y
1:	0.507	-0.858
2:	0.077	-1.172
3:	-0.885	-0.730
4:	-0.706	-0.150
5:	-0.243	-0.084
6:	-0.369	0.242
7:	0.012	0.164
8:	0.336	0.245
9:	0.299	0.483
10:	0.014	0.525

IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington®



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

MODEL 700™ M24

SERIAL NO.

C6498813

ORDER NO.

5716

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

01



5716 C6498813

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 000000008204

BARBER - M24 0008165

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498813

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	AW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	LB
618	Polish Barrel RB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/1/90	JM

BARBER - M24 0008167

BARBER - M24 0008167								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 ³ / ₄	4 ³ / ₄	4 ³ / ₄	6/4/90	WB		
	G) Safety Off Force	2	2	2	6/4/90	WB		
	H) Trigger Pull Test & Retainability				6/1/90	gll		
	I) Firing Pin Indent	.024	.024	.024	6/4/90	WB		
	J) Assemble Stock				6/4/90	RW		
	K) Assemble Swivel Studs				6-13-90	gll		
	L) Attach Front and Rear Sight Assemblies				6/4/90	RW		
	M) Iron Sight Alignment				6/4/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				6/4/90	RW		
	O) Attach Scope to Rifle				6-4-90	WB		
	P) Detach & Attach Scope 20 Times				6-4-90	WB		
640	Gallery Target & Test				6/4/90	AC		
	A) Time				"	A		
	B) Malfunctions				"	A		
	C) Pierced Primers				"	A		
	D) Optical Clarity of Scope				"	A		
645	Inspect for Live Ammo				6-4-90	A		
655	Final Inspection							
	A) Headspace				6-13-90	gll		
	B) Trigger Pull	2.63	2.58	2.68	2.74	2.77	6-13-90	BS
	C) Function						6-13-90	gll
660	Pack						6-19-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO 26498813

DATE 6/1/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.14	2.47	2.35	2.63	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.51	2.40	2.58	
PULL #3	2.22	2.30	2.45	2.68	
PULL #4	2.29	2.45	2.32	2.74	
PULL #5	2.37	2.50	2.43	2.77	
TOTAL	11.33	12.23	11.95		
AVG.	2.266	2.446	2.39		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.36		
PULL #2	3.24	3.53		
PULL #3	3.33	3.37		
PULL #4	3.47	3.08		
PULL #5	3.31	3.11		
TOTAL	16.68	16.45		
AVG.	3.336	3.29		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.17		4.23
PULL #2	4.39	4.30		4.22
PULL #3	4.22	4.28		4.17
PULL #4	4.26	4.37		4.20
PULL #5	4.33	4.27		4.26
TOTAL	21.32	21.39		21.08
AVG.	4.264	4.278		4.216

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498813
6 Jun 1998

CENTROIDAL DISTANCES

0 TO	1	.160125
1 TO	2	.312866
1 TO	3	.0946414
1 TO	4	.301365
1 TO	5	.173104

584 <----FOR

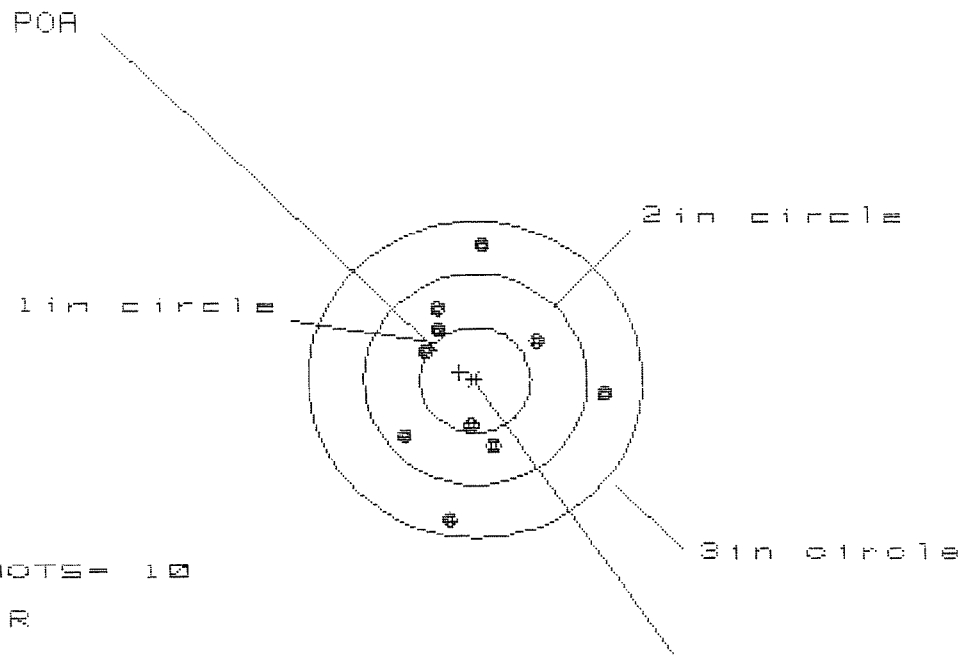
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2444
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0908
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .260722

THE AMR FOR THIS RIFLE IS: .8634

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CG438813

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.739

VS= 2.599

GS= 2.612

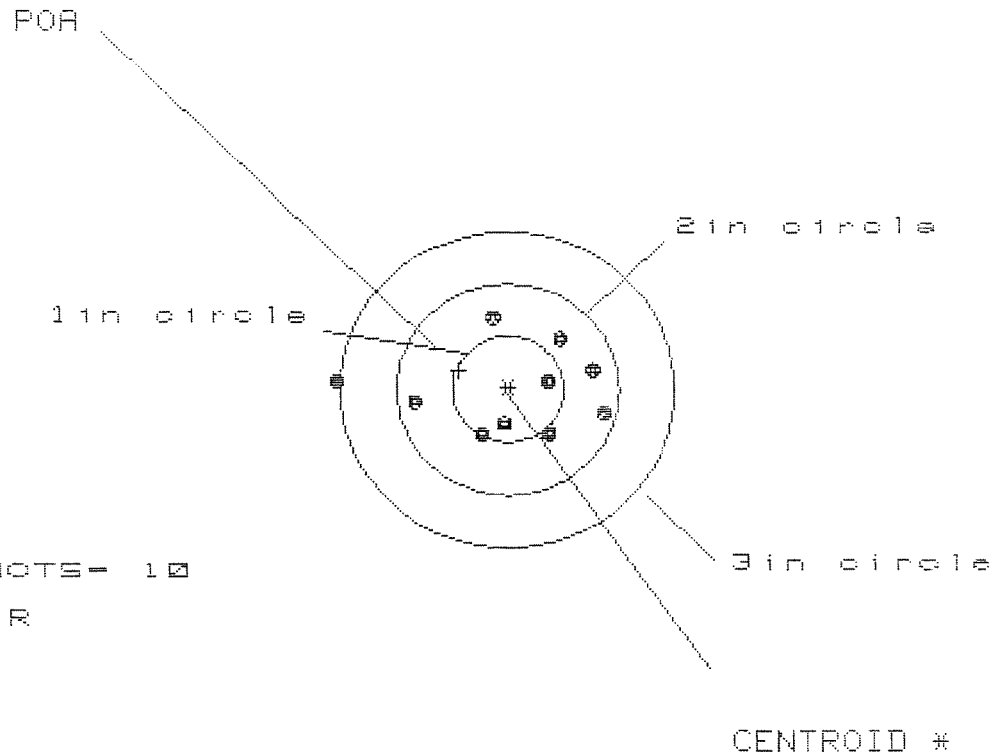
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.137	1.112	1.114
MINIMUM X	:	-.602	-.627	-.625
MAXIMUM Y	:	1.233	1.081	.680
MINIMUM Y	:	-1.366	-.786	-.651
CENTROID X	:	.142	.167	.165
CENTROID Y	:	-.074	.078	-.057
POA TO CENTROID in.	:	.160	.185	.175
MIN RADIUS	:	.445	.457	.463
MEAN RADIUS	:	.825	.753	.706
MAX RADIUS	:	1.385	1.135	1.118
HORIZONTAL SPREAD	:	1.739	1.739	1.739
VERTICAL SPREAD	:	2.599	1.867	1.331
EXTREME SPREAD	:	2.612	1.910	1.806
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498813

CENTERFIRE PATTERNS # 2

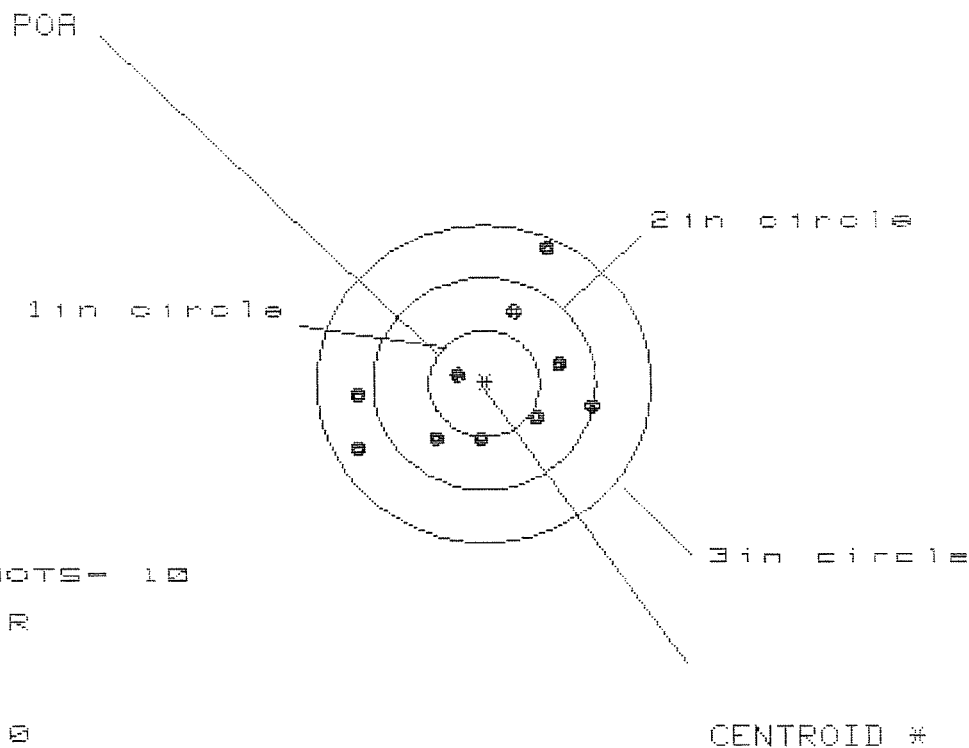


PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.814	.644	.664
MINIMUM X	:	-1.522	-.960	-.879
MAXIMUM Y	:	.693	.699	.672
MINIMUM Y	:	-.458	-.451	-.478
CENTROID X	:	.436	.606	.525
CENTROID Y	:	-.181	-.187	-.160
POA TO CENTROID in.	:	.472	.634	.549
MIN RADIUS	:	.301	.221	.289
MEAN RADIUS	:	.708	.584	.578
MAX RADIUS	:	1.524	.967	.891
HORIZONTAL SPREAD	:	2.336	1.604	1.543
VERTICAL SPREAD	:	1.150	1.150	1.150
EXTREME SPREAD	:	2.354	1.607	1.568
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498813

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HE= 2.129

VS= 1.943

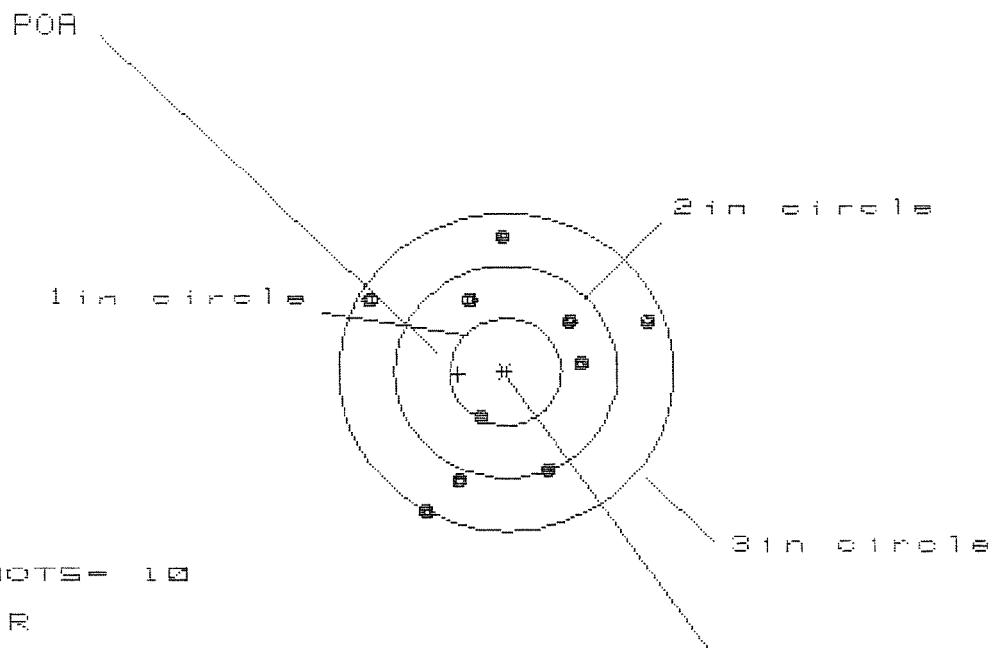
GS= 2.571

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.973	1.037	.906
MINIMUM X	:	-1.156	-1.092	-1.223
MAXIMUM Y	:	1.318	.848	.789
MINIMUM Y	:	-.625	-.479	-.427
CENTROID X	:	.236	.172	.303
CENTROID Y	:	-.085	-.231	-.172
POA TO CENTROID in.	:	.251	.288	.348
MIN RADIUS	:	.244	.308	.349
MEAN RADIUS	:	.820	.737	.675
MAX RADIUS	:	1.437	1.151	1.224
HORIZONTAL SPREAD	:	2.129	2.129	2.129
VERTICAL SPREAD	:	1.943	1.327	1.216
EXTREME SPREAD	:	2.571	2.133	2.133
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS43B813

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.457

VS= 2.621

GS= 2.720

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.242	1.161	.999
MINIMUM X	:	-1.216	-1.296	-.664
MAXIMUM Y	:	1.306	1.160	1.230
MINIMUM Y	:	-1.315	-1.165	-1.095
CENTROID X	:	.428	.508	.670
CENTROID Y	:	.021	.167	.097
POA TO CENTROID in.	:	.428	.535	.677
MIN RADIUS	:	.415	.557	.388
MEAN RADIUS	:	1.018	.950	.870
MAX RADIUS	:	1.502	1.413	1.281
HORIZONTAL SPREAD	:	2.457	2.457	1.663
VERTICAL SPREAD	:	2.621	2.325	2.325
EXTREME SPREAD	:	2.720	2.472	2.364
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6436813

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.005

VS= 2.462

GS= 2.783

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.826	.773	.620
MINIMUM X	:	-1.179	-1.232	-.996
MAXIMUM Y	:	.884	.708	.737
MINIMUM Y	:	-1.578	-1.031	-1.002
CENTROID X	:	-.020	.033	.186
CENTROID Y	:	-.135	.041	.012
POA TO CENTROID in.	:	.136	.052	.197
MIN RADIUS	:	.262	.380	.313
MEAN RADIUS	:	.946	.857	.783
MAX RADIUS	:	1.647	1.253	1.173
HORIZONTAL SPREAD	:	2.005	2.005	1.615
VERTICAL SPREAD	:	2.462	1.739	1.739
EXTREME SPREAD	:	2.783	2.130	2.130
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	