

06587611

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00136226

Serial: C6587611 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 11/2/2007 10:16:35 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: BARRY MOBERLY

BARRY MOBERLY

Address 1: L-3 COMMUNICATIONS

L-3 COMMUNICATIONS

Address 2: 5749 BRIAR HILL RD BLDG 221

PO Box:

5749 BRIAR HILL RD BLDG 221

PO Box:

City: LEXINGTON

LEXINGTON

State: KY

Zip Code: 40516

Country: US

State: KY

Zip Code: 40516

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
A007	With Stud	3
A008	With Swivel	3
A010	Hard Case	1
A026	Scope	1
A055	Deployment Kit	1
D000	SCOPE CASE	1

Repair Search

Refresh

Close

nagletj

11/2/2007

1:12 PM

CAPS

NUM

INS

SCRL



2 Mi...

5 Int...

4 Mi...

Part S...

longo...

Arms...

1:12 PM

Serial Number: C6587611

Model: M24 SWS



RE00136226

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

R & E NUMBER

136224

SERIAL NUMBER

C6587611

LOG-IN DATE

11-2-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-8-08	RTZ
505	RE-BARREL	7-9-08	RTZ
560	ASSEMBLE	7-10-08	RTZ
600	PROOF	7-10-08	SD
605	CHECK HEADSPACE	7-10-08	SD
610	DIS-ASSEMBLE GUN	7-11-08	RTZ
612	MAGNAFLUX	7-15-08	(RB)
510	DRILL AND TAP	7-16-08	SP
615	ROLLMARK CALIBER	7-15-08	RT
618	ROTO-BLAST	7-17	W
620	APPLY COATINGS	7-22-08	RTZ
625	FINAL ASSEMBLY	7-22-08	TL
640	FUNCTION TEST AND	9-3-08	SP
650	TARGET	9-3-08	SP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-6-08	TL
	A) HEADSPACE	9-10-08	RTZ
		9-10-08	RTZ
	B) TRIGGER PULL	259 243 244 246 243 9-8-08	PSN
680	F) SAFETY ON FORCE	550 650 5-509808	RTZ
	G) SAFETY OFF FORCE	30 30 30 9-8-08	RTZ
	I) FIRING PIN INDENT	022 022 022 9-8-08	RTZ
690	PACK	9-10-08	TL

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587611.___0
FILE DATE AND TIME: 09/04/2008 12:03

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.037
The Average Y Centroid of the Five Target Set:	-0.005
The Average Point of Impact of the Five Target Set:	0.038
The Average Mean Radius of the Five Target Set:	0.621
The Distance from POA to Centroid Target #1:	0.101
The Distance from Centroid Target #2 to Centroid Target #1:	0.071
The Distance from Centroid Target #3 to Centroid Target #1:	0.240
The Distance from Centroid Target #4 to Centroid Target #1:	0.268
The Distance from Centroid Target #5 to Centroid Target #1:	0.337

SERIAL NUMBER: C6587611. __0

TARGET NUMBER: 1

FILE DATE: 09/04/2008

FILE TIME: 12:03

X CENTROID: 0.040

Y CENTROID: -0.093

POA TO CENTROID: 0.101

HORZ SPREAD: 1.438

VERT SPREAD: 2.984

GROUP SPREAD: 3.247

MIN RADIUS: 0.100

MAX RADIUS: 2.098

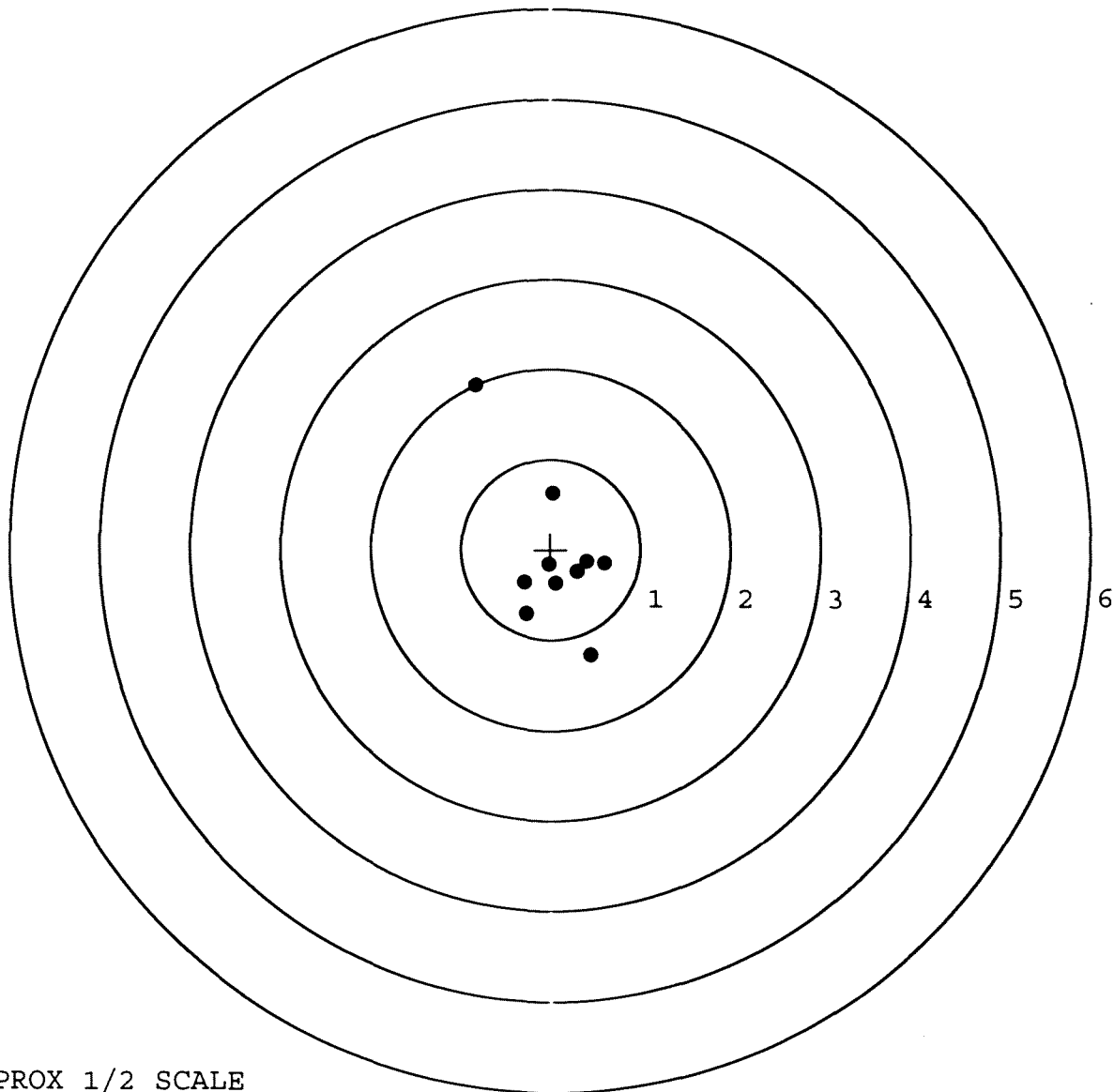
MEAN RADIUS: 0.674

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.445	-1.169
2:	-0.275	-0.724
3:	-0.299	-0.378
4:	0.055	-0.382
5:	0.299	-0.247
6:	0.604	-0.157
7:	0.405	-0.135
8:	0.021	0.621
9:	-0.023	-0.171
10:	-0.834	1.815

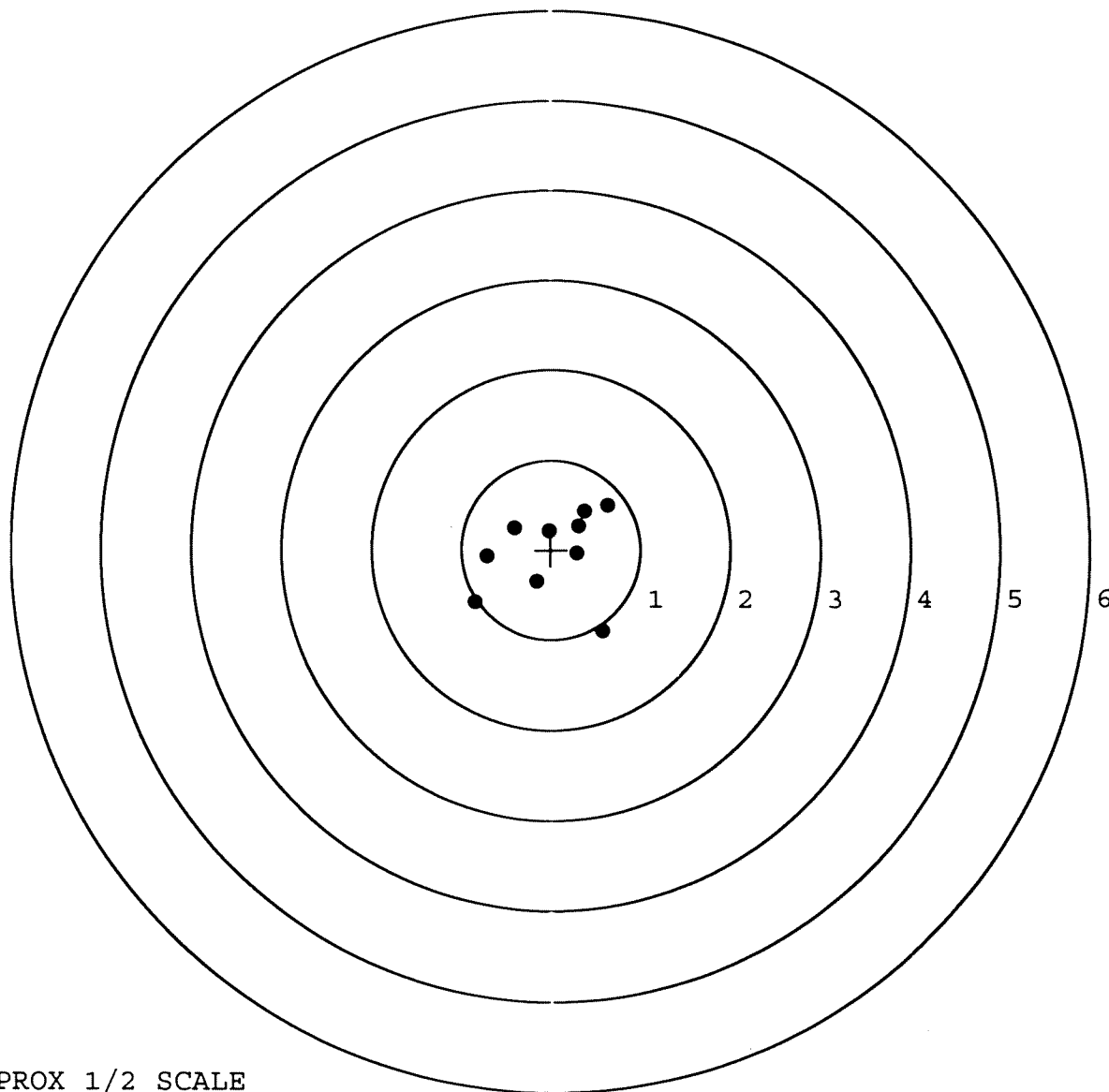


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587611. __0
 TARGET NUMBER: 2
 FILE DATE: 09/04/2008
 FILE TIME: 12:03

POINT#	X	Y
1:	0.574	-0.909
2:	-0.166	-0.360
3:	-0.849	-0.591
4:	-0.715	-0.075
5:	-0.408	0.246
6:	-0.026	0.213
7:	0.287	-0.043
8:	0.312	0.264
9:	0.376	0.432
10:	0.639	0.499

X CENTROID: 0.002
 Y CENTROID: -0.032
 POA TO CENTROID: 0.032
 HORZ SPREAD: 1.488
 VERT SPREAD: 1.408
 GROUP SPREAD: 1.535
 MIN RADIUS: 0.247
 MAX RADIUS: 1.046
 MEAN RADIUS: 0.603
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

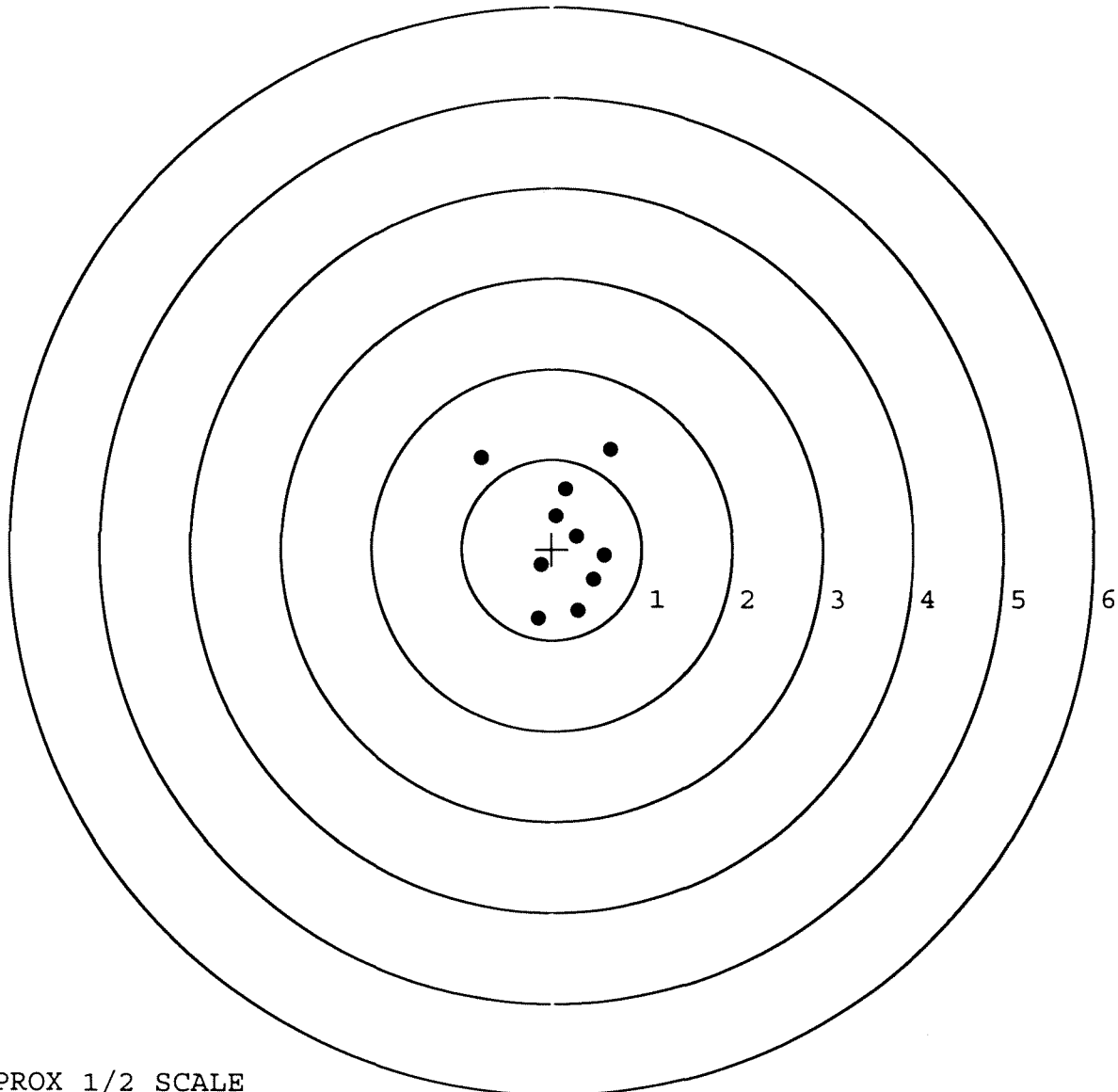


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587611. __0
 TARGET NUMBER: 3
 FILE DATE: 09/04/2008
 FILE TIME: 12:03

POINT#	X	Y
1:	-0.121	-0.176
2:	-0.160	-0.771
3:	0.287	-0.685
4:	0.462	-0.337
5:	0.585	-0.071
6:	0.279	0.142
7:	0.040	0.367
8:	0.151	0.673
9:	0.647	1.107
10:	-0.787	1.017

X CENTROID: 0.138
 Y CENTROID: 0.127
 POA TO CENTROID: 0.187
 HORZ SPREAD: 1.434
 VERT SPREAD: 1.878
 GROUP SPREAD: 2.013
 MIN RADIUS: 0.142
 MAX RADIUS: 1.284
 MEAN RADIUS: 0.656
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587611. __0

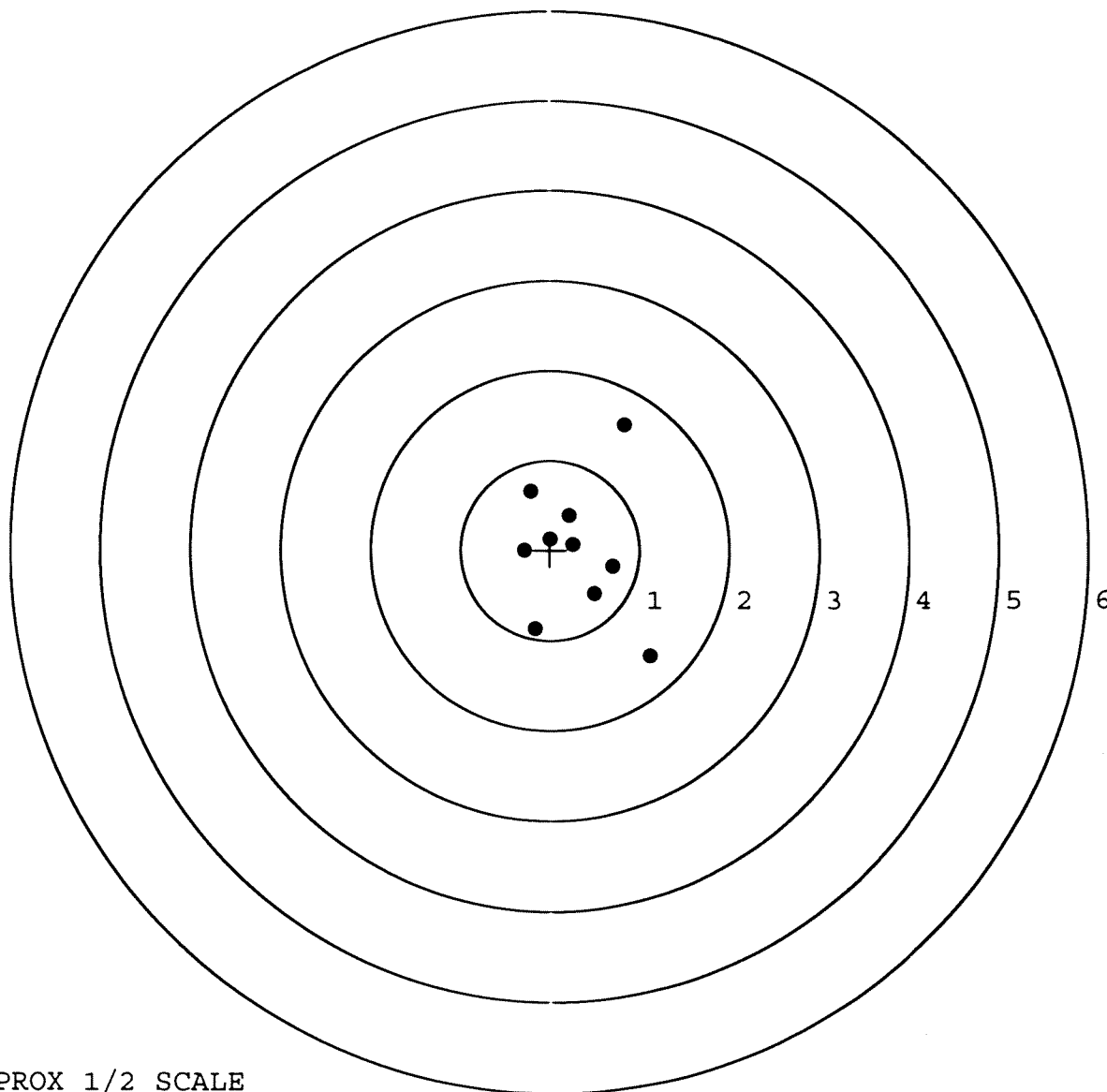
TARGET NUMBER: 4

FILE DATE: 09/04/2008

FILE TIME: 12:03

X CENTROID: 0.295
 Y CENTROID: -0.010
 POA TO CENTROID: 0.295
 HORZ SPREAD: 1.404
 VERT SPREAD: 2.572
 GROUP SPREAD: 2.587
 MIN RADIUS: 0.085
 MAX RADIUS: 1.507
 MEAN RADIUS: 0.711
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.171	-0.879
2:	0.497	-0.481
3:	1.115	-1.176
4:	0.705	-0.183
5:	0.838	1.396
6:	0.216	0.389
7:	0.258	0.066
8:	-0.001	0.120
9:	-0.289	-0.008
10:	-0.216	0.655

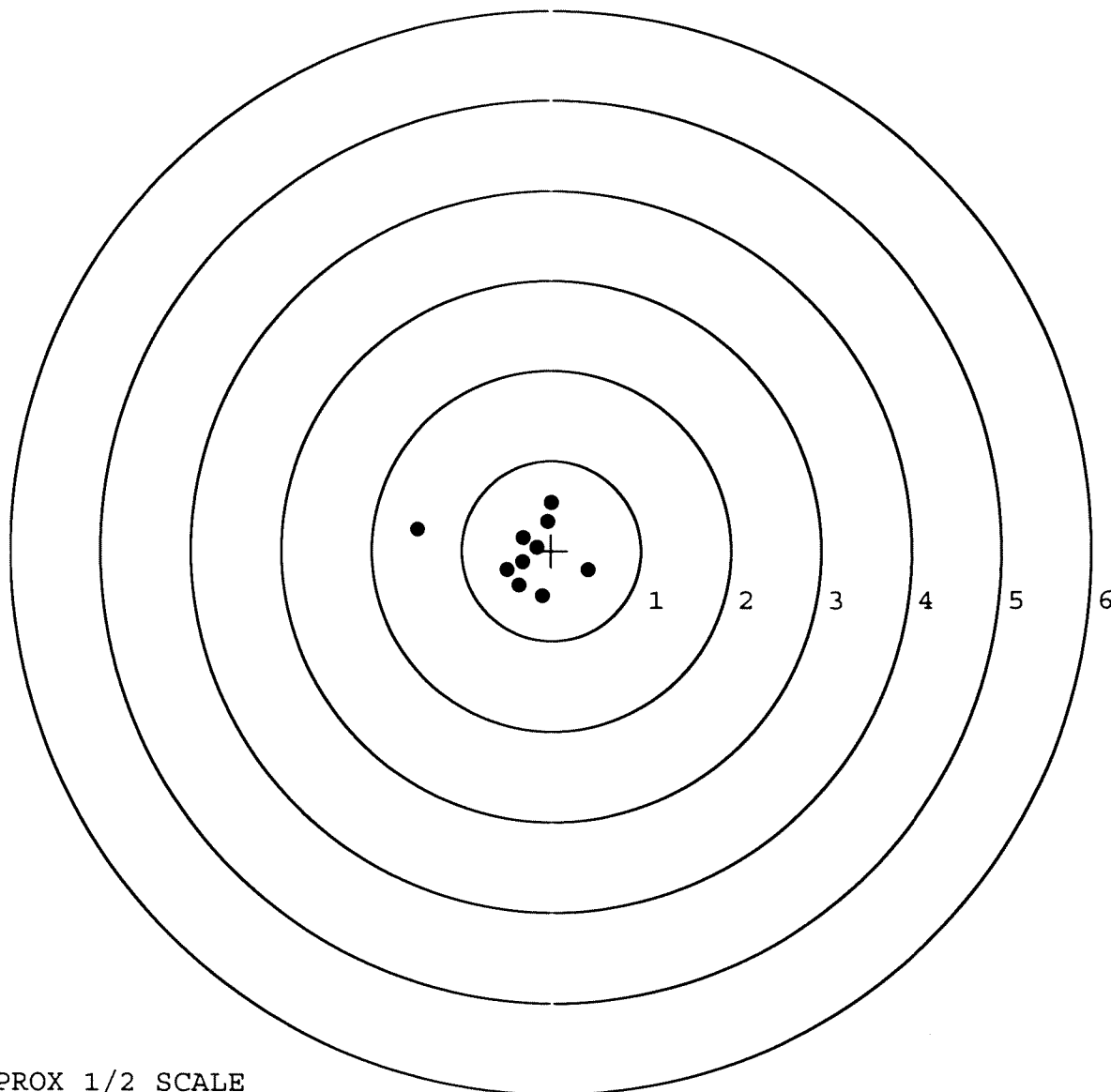


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587611. __0
 TARGET NUMBER: 5
 FILE DATE: 09/04/2008
 FILE TIME: 12:03

X CENTROID: -0.289
 Y CENTROID: -0.019
 POA TO CENTROID: 0.290
 HORZ SPREAD: 1.903
 VERT SPREAD: 1.053
 GROUP SPREAD: 1.956
 MIN RADIUS: 0.116
 MAX RADIUS: 1.228
 MEAN RADIUS: 0.462
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.104	-0.513
2:	-0.364	-0.391
3:	-0.494	-0.217
4:	-0.323	-0.130
5:	-0.164	0.038
6:	-0.317	0.146
7:	-0.043	0.321
8:	-0.006	0.540
9:	0.413	-0.217
10:	-1.490	0.237



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6587611DATE 8-28-95TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.68	2.73	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.68	2.35	2.73	
PULL #3	2.40	2.63	2.40	
PULL #4	2.46	2.22	2.50	
PULL #5	2.41	2.46	2.44	
TOTAL	12.63	12.39	12.74	
AVG.	2.52	2.47	2.54	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.02	3.03		
PULL #2	3.24	3.00		
PULL #3	3.04	3.04		
PULL #4	2.94	3.01		
PULL #5	3.11	3.10		
TOTAL	15.35	15.18		
AVG.	3.07	3.03		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.00	4.00	
PULL #2	4.40	4.25	4.09	
PULL #3	4.39	4.02	4.27	
PULL #4	4.40	4.09	4.20	
PULL #5	4.28	4.23	4.20	
TOTAL	21.70	20.59	20.76	
AVG.	4.34	4.11	4.15	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587611

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	6	5 ³ / ₄	5 ¹ / ₂	11/22	WB
	G) Safety Off Force	3 ¹ / ₂	3 ¹ / ₂	3 ¹ / ₂	11/22	WB
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent	.0205	.0205	.022	11/21/95	RW
	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	2.64	2.73	2.71	2.66	2.62
	C) Function				11/21/95	RW
660	Pack					

Remington
MODEL 700™ M24

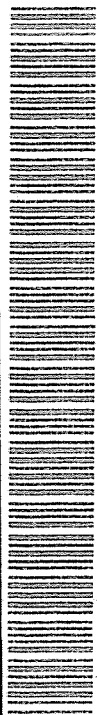
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO. C6587611

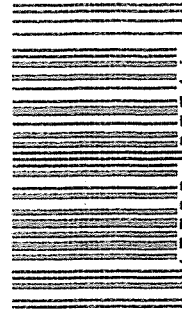
ORDER NO. 5716

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



5716 C6587611

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

NEW BBL

GUN SERIAL # C6587611

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/24/90	Kd
600	Proof		10/24/90	Kd
607	Check Headspace		10/24/90	Kd
610	Dis-assemble Gun		10/24/90	Kd
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		10/30/90	KR
615	Rollmark Caliber		10/30/90	GL
617	Drill and Tap Sight Holes		11/6/90	K3
618	Polish Barrel <i>HB</i>		11/7/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	HA
	Apply Coating (Bolt)		11-26-90	HA
625	Final Assembly A) Clean inside of Bolt Assembly		11/30/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/30/90	KS
	C) Inspect Ejector Hole for Chamfer		11/30/90	KS
	D) Oil Firing Pin Ass'y		11/30/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/3/90	90/

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			12/3/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			12/3/90	WB
	H) Trigger Pull Test & Retainability						12/3/90	JH
	I) Firing Pin Indent	021	0215	022			12/3/90	WB
	J) Assemble Stock						12/3/90	KS
	K) Assemble Swivel Studs						12-5-90	KS
	L) Attach Front and Rear Sight Assemblies						12/3/90	KS
	M) Iron Sight Alignment						12/3/90	KS
	N) Detach Front & Rear Sights & place in numbered container						12/3/90	KS
	O) Attach Scope to Rifle						12/3/90	KS
	P) Detach & Attach Scope 20 Times						12/3/90	KS
640	Gallery Target & Test						12/4/90	KI
	A) Time						12/4/90	KI
	B) Malfunctions						12/4/90	KI
	C) Pierced Primers						12/4/90	KI
	D) Optical Clarity of Scope						12/4/90	KI
645	Inspect for Live Ammo						12/4/90	KI
655	Final Inspection							
	A) Headspace						12-5-90	KS
	B) Trigger Pull	263	264	263	263	263	12-5-90	KS
	C) Function						12-5-90	KS
660	Pack						12-18-90	D/H

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

SERIAL NO. C6587611
DATE 12/3/90
TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.13	2.21	2.19	2.63	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.20	2.22	2.64	
PULL #3	2.24	2.20	2.21	2.63	
PULL #4	2.30	2.21	2.25	2.63	
PULL #5	2.24	2.21	2.21	2.63	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.31		
PULL #2	3.40	3.28		
PULL #3	3.27	3.29		
PULL #4	3.43	3.18		
PULL #5	3.24	3.31		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.16		4.20
PULL #2	4.34	4.26		4.19
PULL #3	4.16	4.13		4.20
PULL #4	4.20	4.16		4.41
PULL #5	4.25	4.20		4.23
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587611
5 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.302121
1 TO	2	.319127
1 TO	3	.204414
1 TO	4	.330589
1 TO	5	.284028

12 <----POR

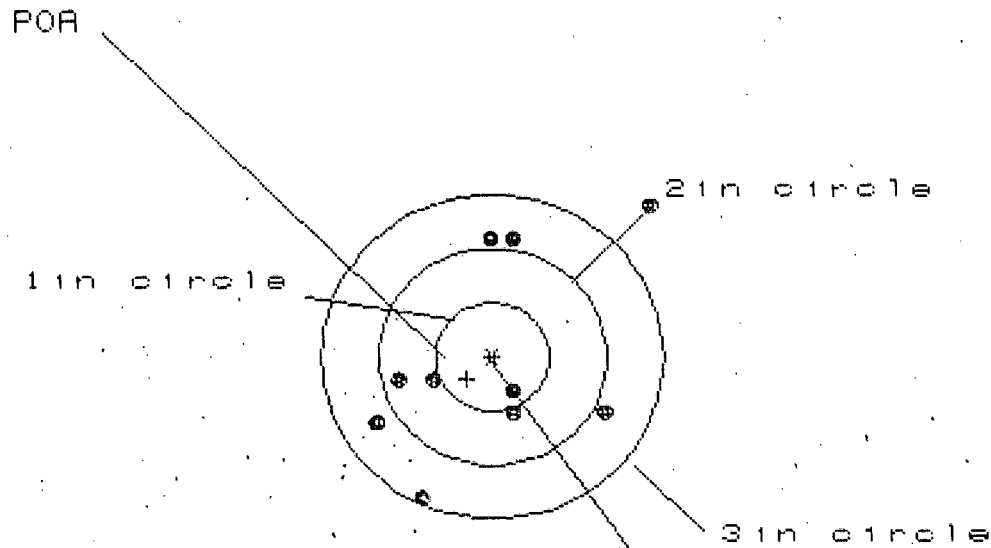
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2238
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0376
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .226937
THE AMR FOR THIS RIFLE IS: .9252

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587611

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.399

VS= 2.723

GS= 3.365

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.373	1.181	1.125
MINIMUM X	-1.026	-.873	-.929
MAXIMUM Y	1.405	1.270	1.125
MINIMUM Y	-1.318	-1.162	-.550
CENTROID X	.221	.068	.124
CENTROID Y	.206	.050	.195
POA TO CENTROID in.	.302	.085	.232
MIN RADIUS	.373	.360	.414
MEAN RADIUS	1.023	.873	.842
MAX RADIUS	1.965	1.298	1.223
HORIZONTAL SPREAD	2.399	2.054	2.054
VERTICAL SPREAD	2.723	2.432	1.675

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587611

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 0

2in = 5

3in = 5

HS = 2.077

VS = 3.504

GS = 3.511

PATTERN #

2

SHOTS (BEST OF)

10

9

8

BARBER - M24 0023745

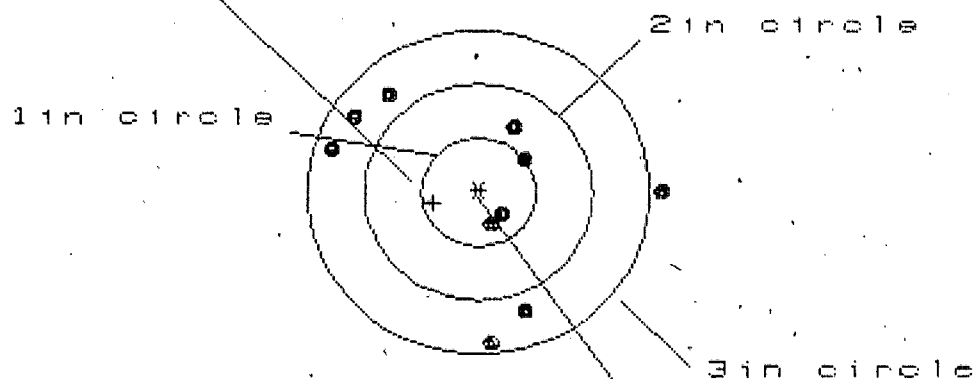
MAXIMUM X	:	1.926	1.448	1.277
MINIMUM Y	:	-1.578	-1.364	-.991
CENTROID X	:	.352	.377	.381
CENTROID Y	:	-.085	-.299	-.128
POA TO CENTROID in.	:	.362	.481	.402
MIN RADIUS	:	.519	.320	.483
MEAN RADIUS	:	1.110	.989	.947
MAX RADIUS	:	1.939	1.513	1.352
HORIZONTAL SPREAD	:	2.077	2.077	2.077
VERTICAL SPREAD	:	3.504	2.812	2.268
EXTREME SPREAD	:	3.511	2.851	2.269
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587611

CENTERFIRE PATTERNS # 3

POA



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 8

HS = 2.875

VS = 2.320

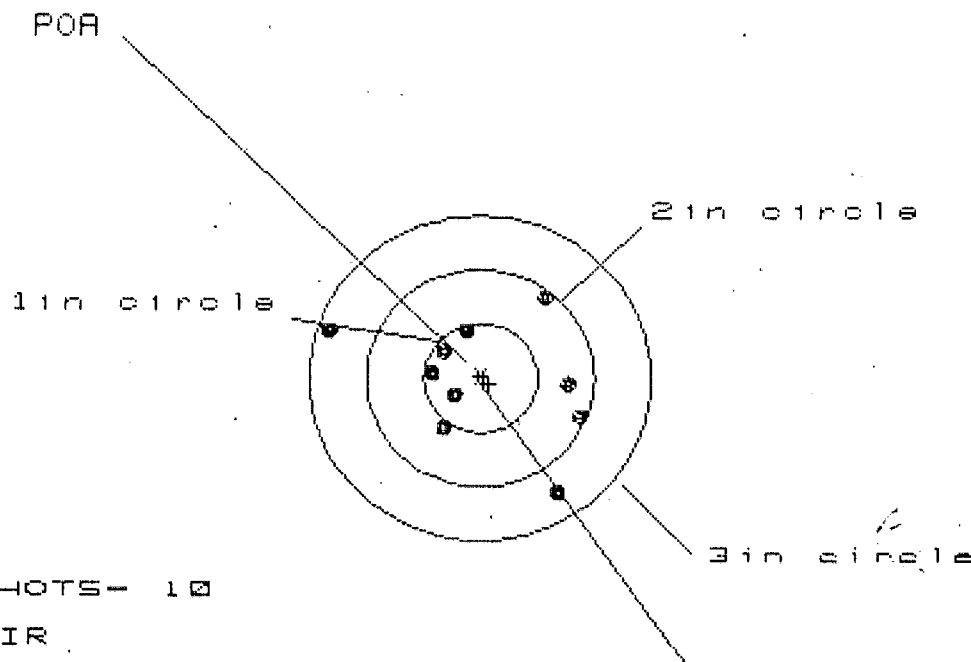
GS = 2.891

SHOT	BARBER - M24 0023746	10	9	8
MAXIMUM X	:	1.595	.622	.661
MINIMUM X	:	-1.280	-1.102	-1.063
MAXIMUM Y	:	.914	.920	.745
MINIMUM Y	:	-1.409	-1.403	-1.229
CENTROID X	:	.392	.214	.175
CENTROID Y	:	.094	.088	.263
POA TO CENTROID in.	:	.403	.232	.316
MIN RADIUS	:	.294	.392	.549
MEAN RADIUS	:	.980	.929	.860
MAX RADIUS	:	1.596	1.437	1.373
HORIZONTAL SPREAD	:	2.875	1.724	1.724
VERTICAL SPREAD	:	2.323	2.323	1.974
EXTREME SPREAD	:	2.891	2.496	2.297
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587811

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.166

VS= 1.839

GS= 2.519

CENTROID #

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.872	.729	.796
MINIMUM X	-1.294	-.599	-.532
MAXIMUM Y	.772	.828	.701
MINIMUM Y	-1.067	-1.011	-.565
CENTROID X	-.071	.072	.005
CENTROID Y	.051	-.005	.122
POA TO CENTROID in.	.088	.072	.122
MIN. RADIUS	.287	.402	.389
MEAN RADIUS	.758	.702	.623
MAX RADIUS	1.386	1.145	.883
HORIZONTAL SPREAD	2.166	1.328	1.328
VERTICAL SPREAD	1.839	1.839	1.266
EXTREME SPREAD	2.519	1.845	1.532
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	8	
NUMBER IN THREE INCH CIRCLE	=	10	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587611

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS- 3.038

CENTROID #

.GS= 3.284

PATTERN # : 15

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.150	.940	.584
MINIMUM X	:	-1.889	-.741	-.623
MAXIMUM Y	:	1.014	1.031	.896
MINIMUM Y	:	-1.096	-1.079	-.555
CENTROID X	:	.225	.435	.317
CENTROID Y	:	-.078	-.095	.040
POA TO CENTROID in.	:	.238	.445	.320
MIN RADIUS	:	.077	.134	.187
MEAN RADIUS	:	.755	.597	.503
MAX RADIUS	:	1.895	1.431	1.041
HORIZONTAL SPREAD	:	3.039	1.681	1.207
VERTICAL SPREAD	:	2.110	2.110	1.451
EXTREME SPREAD	:	3.284	2.640	1.620
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	