

C6611762

MODEL 700™ M24

Model **SMS**™

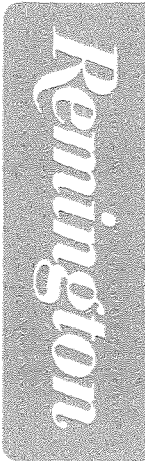
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

1165252

SERIAL NUMBER

C6611762

LOG-IN DATE

3-31-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-4-09	RT
505	RE-BARREL	4-15-09	RT
420	ASSEMBLE	4-15-09	RT
440	PROOF	4-15-09	W/RT
460	CHECK HEADSPACE	4-15-09	W/RT
470	DIS-ASSEMBLE GUN	4-15-09	RT
480	MAGNAFLUX	4-18-09	(H)
510	DRILL AND TAP	4-15-09	SP
500	ROLLMARK CALIBER	4-20-09	RT
520	GOFF BLAST BBL / REC	4-21-09	Lim
530 & 540	APPLY COATINGS	4-21-09	W/RT
560	FINAL ASSEMBLY	4-23-09	RT
640	FUNCTION TEST AND	4-23-09	W/RT
650	TARGET	4-23-09	W/RT
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	4-24-09	W/RT
	A) HEADSPACE	4-24-09	W/RT
	B) TRIGGER PULL	4-24-09	W/RT
	F) SAFETY ON FORCE	4-24-09	W/RT
	G) SAFETY OFF FORCE	4-24-09	W/RT
	I) FIRING PIN INDENT	4-24-09	W/RT
690	PACK	4-24-09	W/RT

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611762.___0

FILE DATE AND TIME: 04/23/2009 14:56

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.035
The Average Y Centroid of the Five Target Set:	0.040
The Average Point of Impact of the Five Target Set:	0.054
The Average Mean Radius of the Five Target Set:	0.623
The Distance from POA to Centroid Target #1:	0.127
The Distance from Centroid Target #2 to Centroid Target #1:	0.391
The Distance from Centroid Target #3 to Centroid Target #1:	0.201
The Distance from Centroid Target #4 to Centroid Target #1:	0.183
The Distance from Centroid Target #5 to Centroid Target #1:	0.368

BARBER - M24 0035541

SERIAL NUMBER: C6611762. 0

TARGET NUMBER: 1

FILE DATE: 04/23/2009

FILE TIME: 14:56

POINT#	X	Y
1:	1.042	-0.512
2:	0.774	-0.160
3:	0.915	-0.155
4:	0.317	-0.647
5:	0.351	-0.413
6:	0.081	-0.381
7:	-0.917	-0.290
8:	-0.703	0.212
9:	-0.176	0.447
10:	-1.211	0.724

X CENTROID: 0.047

Y CENTROID: -0.118

POA TO CENTROID: 0.127

HORZ SPREAD: 2.253

VERT SPREAD: 1.371

GROUP SPREAD: 2.570

MIN RADIUS: 0.266

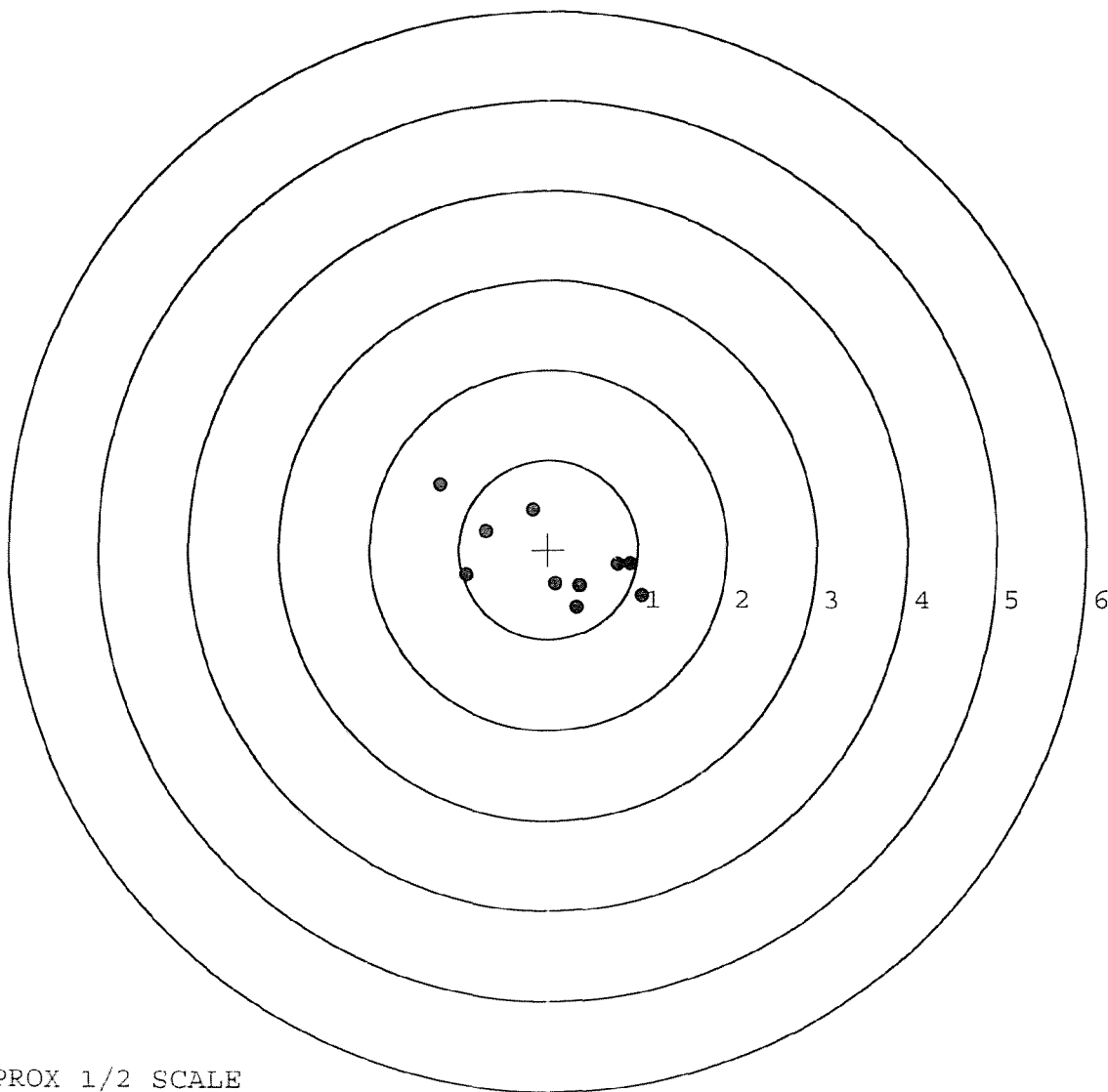
MAX RADIUS: 1.514

MEAN RADIUS: 0.787

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



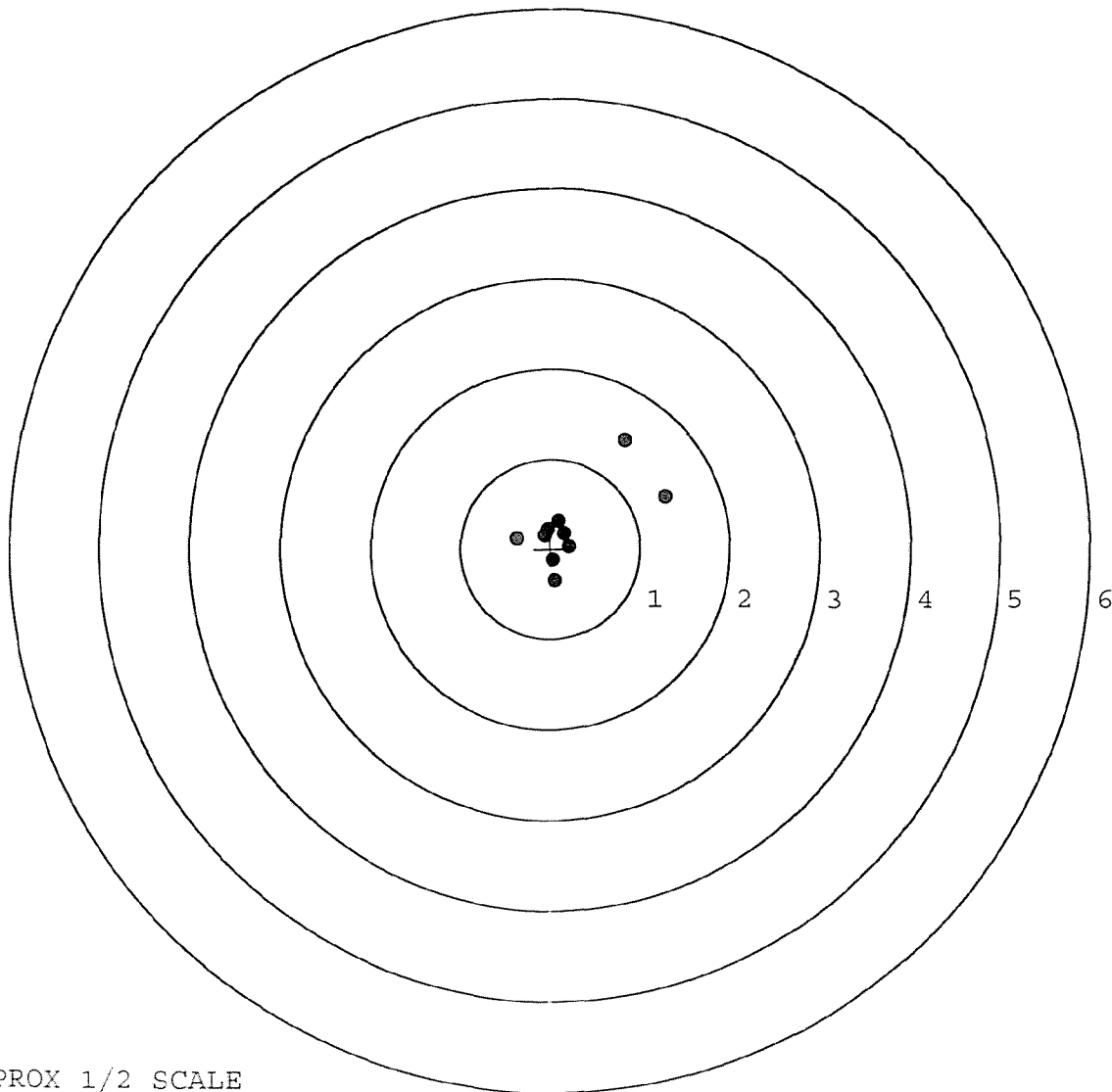
TARGET APPROX 1/2 SCALE

BARBER - M24 0035542

SERIAL NUMBER: C6611762. __0
 TARGET NUMBER: 2
 FILE DATE: 04/23/2009
 FILE TIME: 14:56

POINT#	X	Y
1:	0.211	0.029
2:	0.160	0.176
3:	0.097	0.318
4:	-0.032	0.224
5:	-0.376	0.126
6:	-0.064	0.158
7:	0.030	-0.126
8:	0.049	-0.359
9:	1.276	0.589
10:	0.830	1.207

X CENTROID: 0.218
 Y CENTROID: 0.234
 POA TO CENTROID: 0.320
 HORZ SPREAD: 1.652
 VERT SPREAD: 1.566
 GROUP SPREAD: 1.750
 MIN RADIUS: 0.082
 MAX RADIUS: 1.149
 MEAN RADIUS: 0.487
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



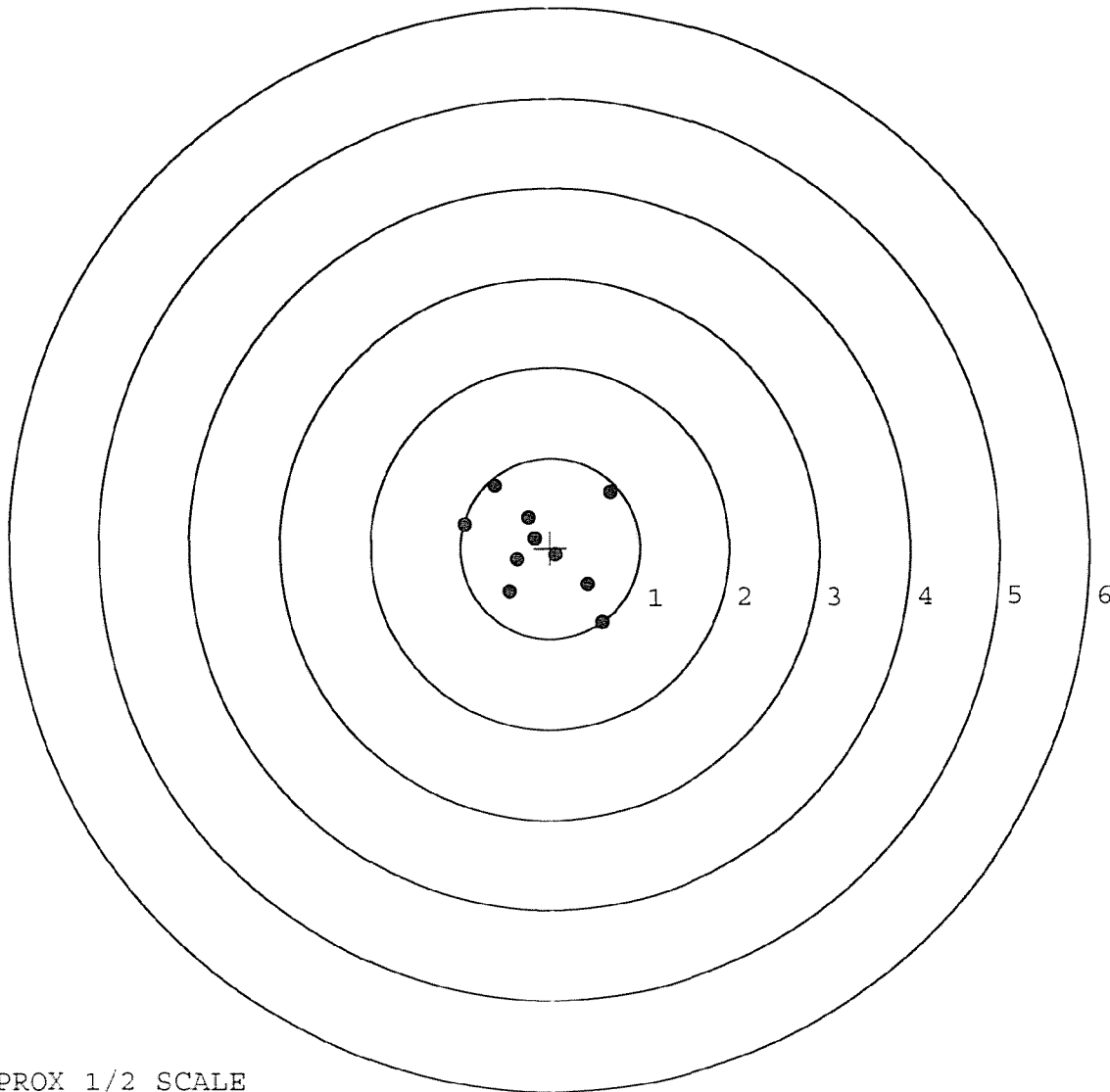
TARGET APPROX 1/2 SCALE

BARBER - M24 0035543

SERIAL NUMBER: C6611762. 0
 TARGET NUMBER: 3
 FILE DATE: 04/23/2009
 FILE TIME: 14:56

POINT#	X	Y
1:	0.576	-0.827
2:	0.414	-0.410
3:	0.669	0.617
4:	-0.454	-0.481
5:	-0.367	-0.132
6:	-0.173	0.110
7:	0.060	-0.077
8:	-0.236	0.346
9:	-0.618	0.690
10:	-0.947	0.266

X CENTROID: -0.108
 Y CENTROID: 0.010
 POA TO CENTROID: 0.108
 HORZ SPREAD: 1.616
 VERT SPREAD: 1.517
 GROUP SPREAD: 1.931
 MIN RADIUS: 0.119
 MAX RADIUS: 1.081
 MEAN RADIUS: 0.603
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



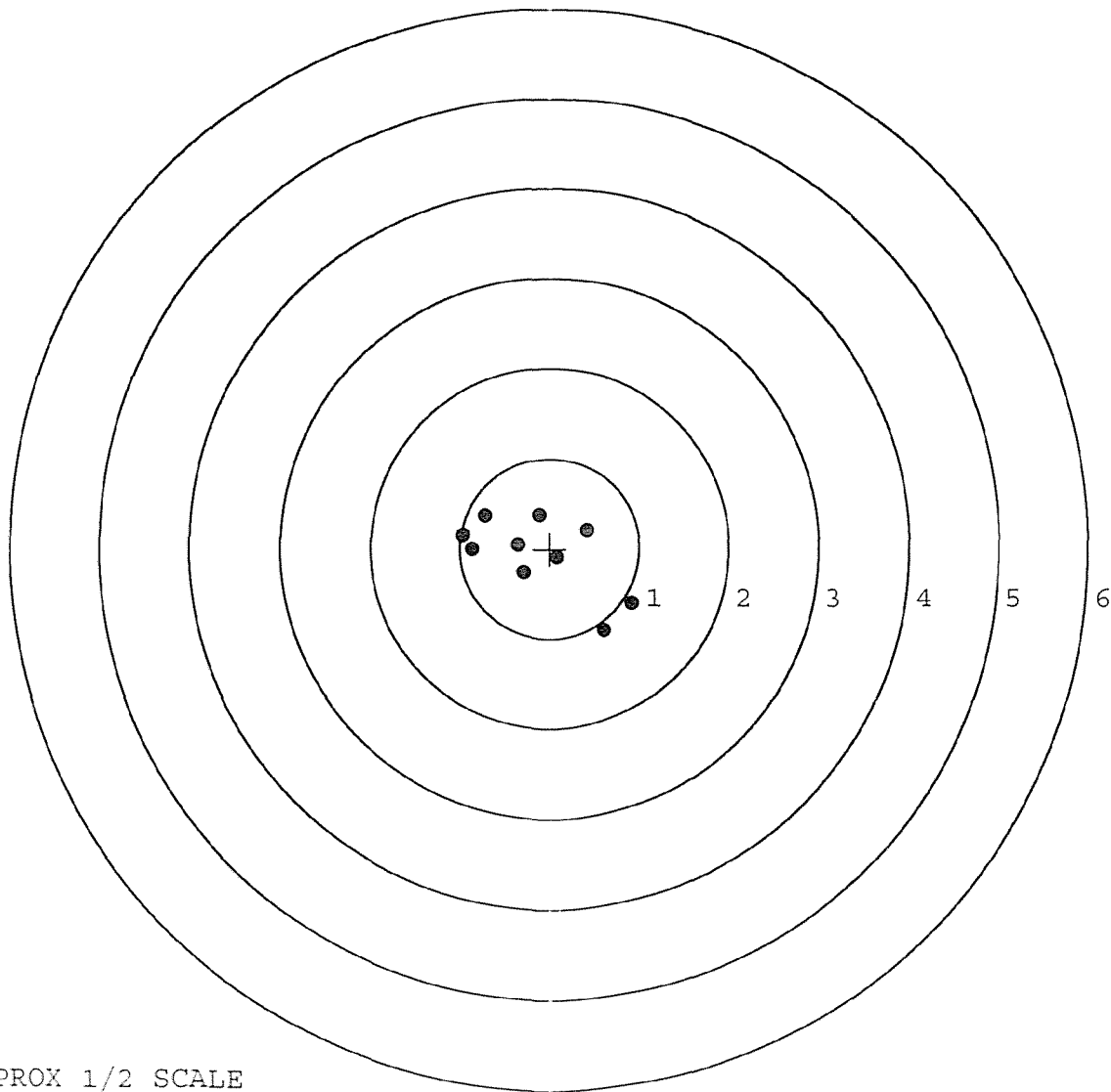
TARGET APPROX 1/2 SCALE

BARBER - M24 0035544

SERIAL NUMBER: C6611762. 0
 TARGET NUMBER: 4
 FILE DATE: 04/23/2009
 FILE TIME: 14:56

POINT#	X	Y
1:	-0.287	-0.267
2:	-0.353	0.045
3:	0.083	-0.094
4:	0.407	0.202
5:	-0.120	0.378
6:	-0.864	-0.012
7:	-0.970	0.152
8:	-0.726	0.364
9:	0.916	-0.616
10:	0.604	-0.917

X CENTROID: -0.131
 Y CENTROID: -0.076
 POA TO CENTROID: 0.152
 HORZ SPREAD: 1.886
 VERT SPREAD: 1.295
 GROUP SPREAD: 2.036
 MIN RADIUS: 0.215
 MAX RADIUS: 1.178
 MEAN RADIUS: 0.641
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



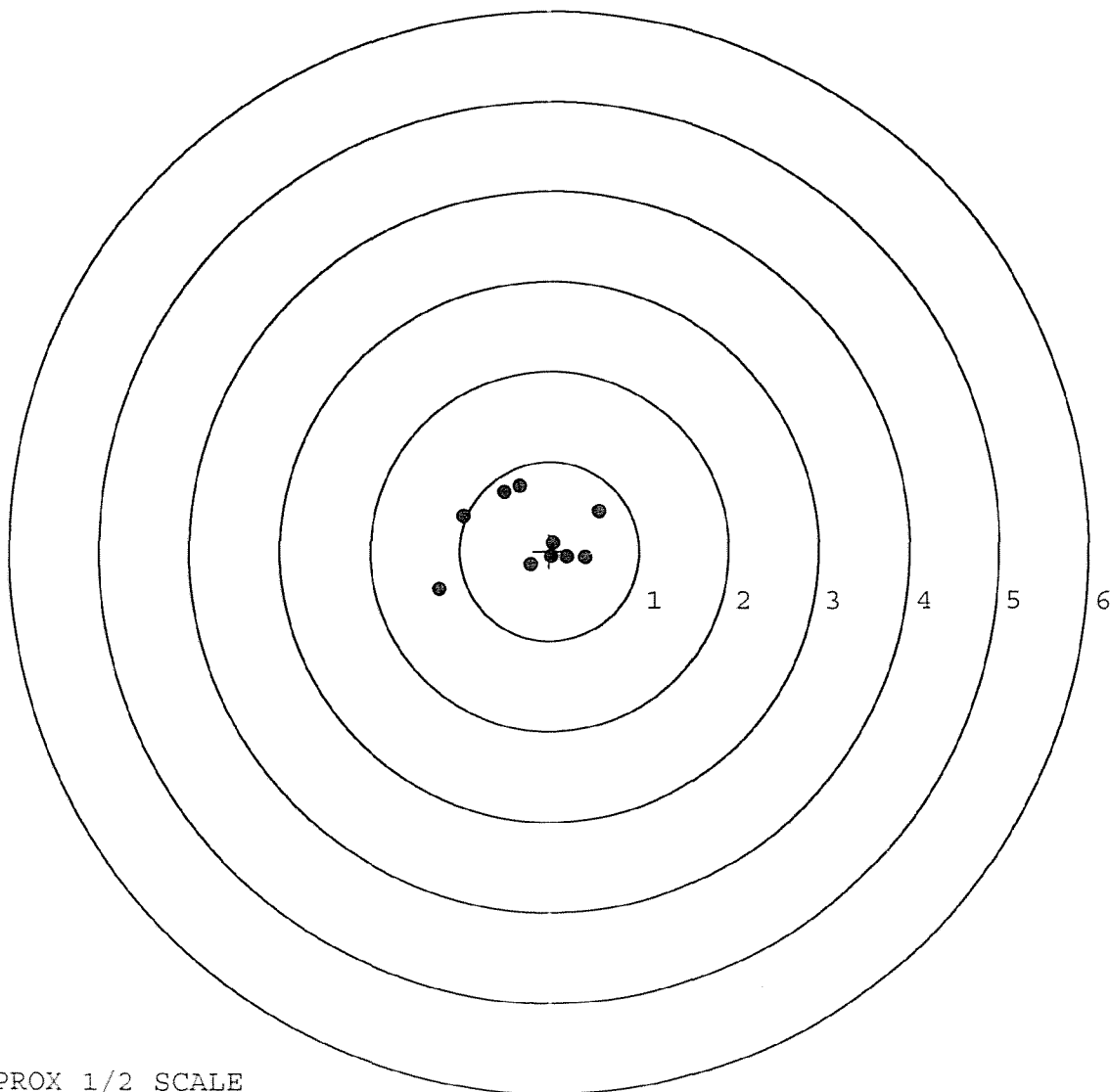
TARGET APPROX 1/2 SCALE

BARBER - M24 0035545

SERIAL NUMBER: C6611762. 0
 TARGET NUMBER: 5
 FILE DATE: 04/23/2009
 FILE TIME: 14:56

POINT#	X	Y
1:	0.404	-0.078
2:	0.197	-0.072
3:	0.024	-0.065
4:	-0.210	-0.149
5:	0.046	0.091
6:	0.548	0.442
7:	-0.338	0.730
8:	-0.512	0.661
9:	-0.957	0.390
10:	-1.233	-0.431

X CENTROID: -0.203
 Y CENTROID: 0.152
 POA TO CENTROID: 0.254
 HORZ SPREAD: 1.781
 VERT SPREAD: 1.161
 GROUP SPREAD: 1.983
 MIN RADIUS: 0.256
 MAX RADIUS: 1.183
 MEAN RADIUS: 0.595
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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: **RE00034882** Serial: C6611762 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 11/1/01 7:52:21 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☒ Received From

Name: C CO 2/3RD SFGA C CO 2/3RD SFGA

Address 1: Address 2: PG Box: PG Box:

City: FORT BRAGG FORT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FEL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information:

Phone: Fax: Email: Comments:

Received Condition:

Condition: Poor

Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

11/1/01 9:47 AM COPS NUM 1.5 5.11

Start Inbox - M... Calendar Microsoft... NJBGS C... Arms S...

Serial Number: **C6611762**Model: **700****RE00034882**

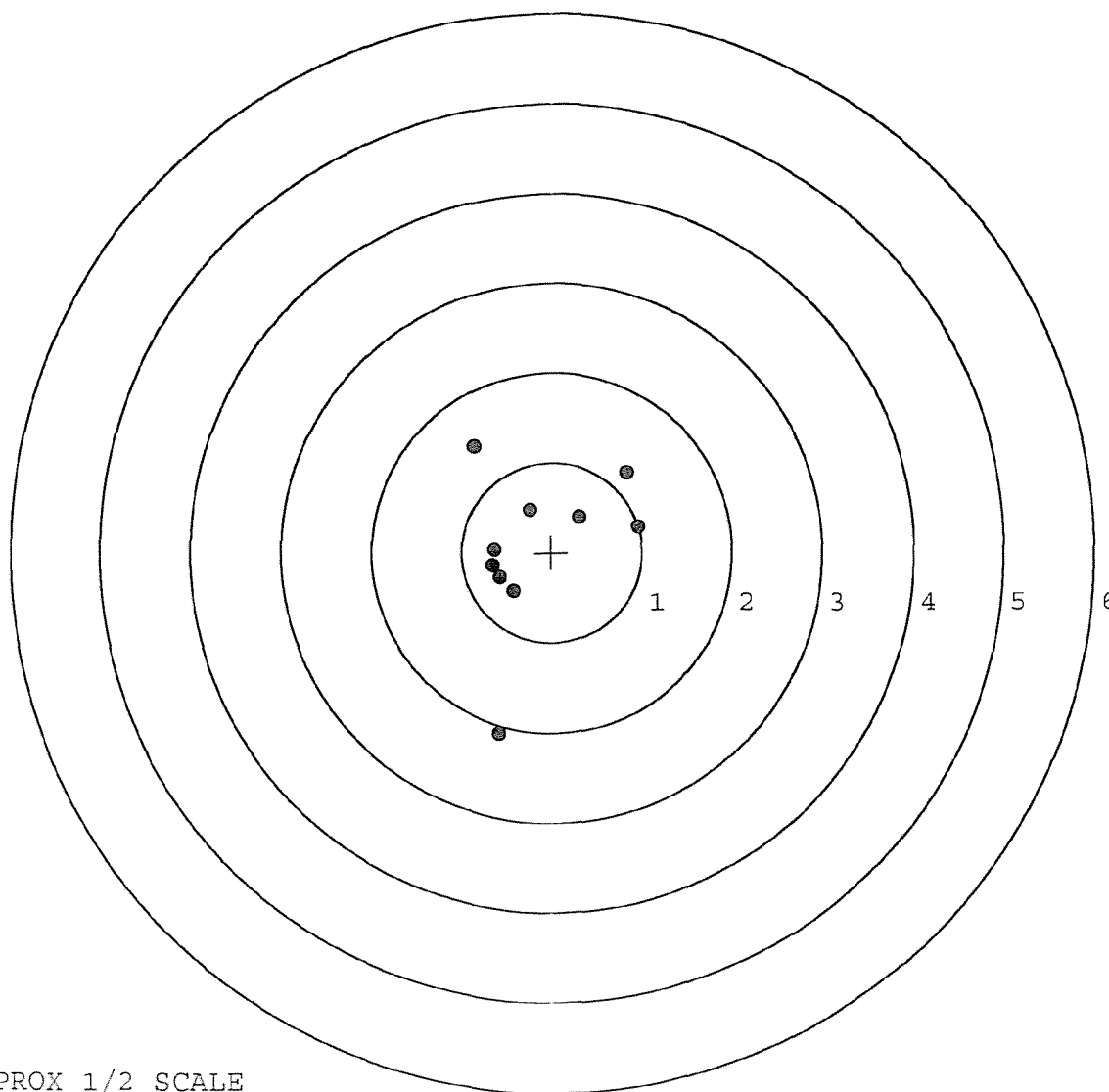
SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611762.___0
FILE DATE AND TIME: 11/20/2001 09:33

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.048
The Average Y Centroid of the Five Target Set:	0.129
The Average Point of Impact of the Five Target Set:	0.137
The Average Mean Radius of the Five Target Set:	0.972
The Distance from POA to Centroid Target #1:	0.353
The Distance from Centroid Target #2 to Centroid Target #1:	0.269
The Distance from Centroid Target #3 to Centroid Target #1:	0.458
The Distance from Centroid Target #4 to Centroid Target #1:	0.260
The Distance from Centroid Target #5 to Centroid Target #1:	0.183

SERIAL NUMBER: C6611762. 0	POINT#	X	Y
TARGET NUMBER: 1	1:	0.830	0.892
FILE DATE: 11/20/2001	2:	0.837	0.890
FILE TIME: 09:33	3:	0.954	0.290
	4:	-0.861	1.174
X CENTROID: -0.214	5:	-0.863	1.174
Y CENTROID: 0.280	6:	-0.858	1.174
POA TO CENTROID: 0.353	7:	-0.245	0.477
HORZ SPREAD: 1.817	8:	0.303	0.389
VERT SPREAD: 3.182	9:	-0.589	-2.008
GROUP SPREAD: 3.230	10:	-0.423	-0.432
MIN RADIUS: 0.199	11:	-0.636	0.039
MAX RADIUS: 2.318	12:	-0.659	-0.146
MEAN RADIUS: 0.958	13:	-0.577	-0.274
# IN 1 IN DIAMETER: 2			
# IN 2 IN DIAMETER: 6			
# in 3 IN DIAMETER: 12			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611762. __0

TARGET NUMBER: 2

FILE DATE: 11/20/2001

FILE TIME: 09:33

POINT#	X	Y
1:	0.277	0.923
2:	0.437	0.694
3:	0.102	0.740
4:	-1.124	0.950
5:	-0.225	0.328
6:	-1.907	-0.378
7:	-0.170	-0.441
8:	0.562	-0.025
9:	0.464	-0.991
10:	1.300	-0.942

X CENTROID: -0.028

Y CENTROID: 0.086

POA TO CENTROID: 0.090

HORZ SPREAD: 3.207

VERT SPREAD: 1.941

GROUP SPREAD: 3.256

MIN RADIUS: 0.312

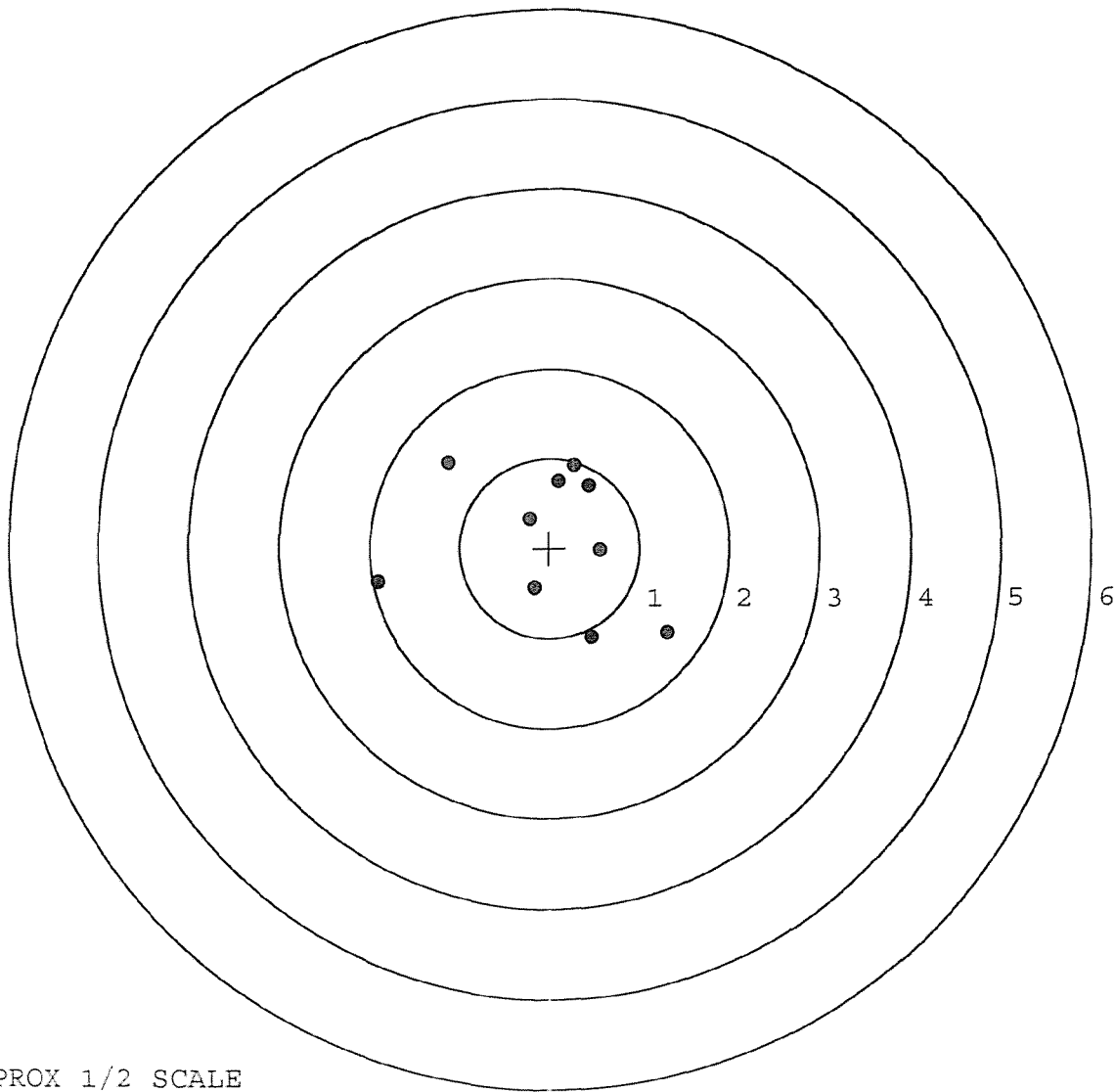
MAX RADIUS: 1.935

MEAN RADIUS: 0.998

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



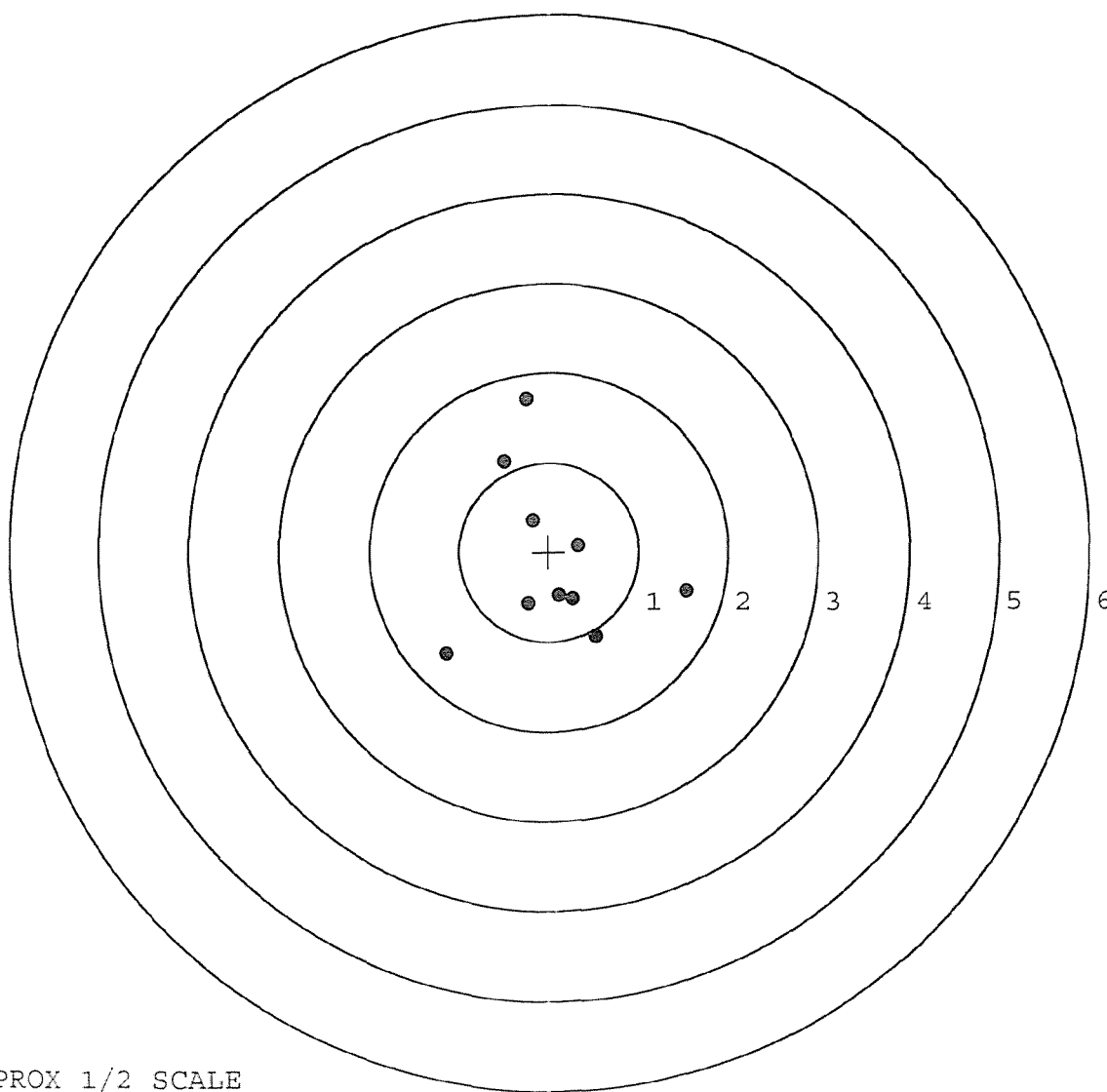
TARGET APPROX 1/2 SCALE

BARBER - M24 0035550

SERIAL NUMBER: C6611762. __0
 TARGET NUMBER: 3
 FILE DATE: 11/20/2001
 FILE TIME: 09:33

POINT#	X	Y
1:	-0.256	1.707
2:	-0.499	1.016
3:	-0.182	0.358
4:	0.333	0.073
5:	-1.136	-1.141
6:	-0.231	-0.578
7:	0.120	-0.488
8:	0.525	-0.942
9:	1.528	-0.437
10:	0.272	-0.527

X CENTROID: 0.047
 Y CENTROID: -0.096
 POA TO CENTROID: 0.107
 HORZ SPREAD: 2.664
 VERT SPREAD: 2.848
 GROUP SPREAD: 2.981
 MIN RADIUS: 0.332
 MAX RADIUS: 1.828
 MEAN RADIUS: 0.942
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 7



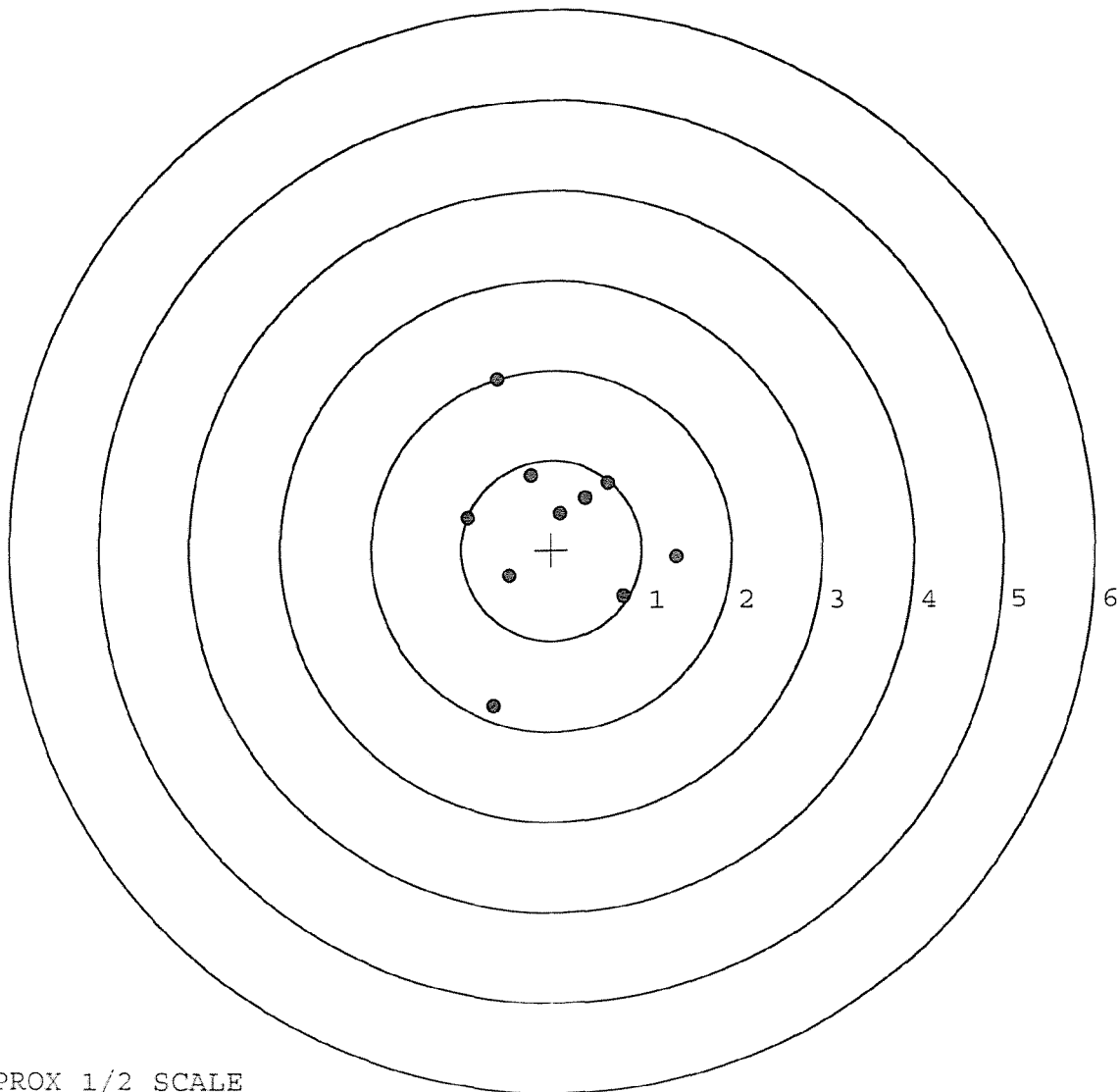
TARGET APPROX 1/2 SCALE

BARBER - M24 0035551

SERIAL NUMBER: C6611762. __0
 TARGET NUMBER: 4
 FILE DATE: 11/20/2001
 FILE TIME: 09:33

POINT#	X	Y
1:	-0.604	1.904
2:	-0.228	0.833
3:	-0.933	0.349
4:	-0.473	-0.287
5:	-0.645	-1.726
6:	0.795	-0.514
7:	1.381	-0.081
8:	0.094	0.404
9:	0.377	0.581
10:	0.621	0.750

X CENTROID: 0.038
 Y CENTROID: 0.221
 POA TO CENTROID: 0.225
 HORZ SPREAD: 2.314
 VERT SPREAD: 3.630
 GROUP SPREAD: 3.630
 MIN RADIUS: 0.191
 MAX RADIUS: 2.064
 MEAN RADIUS: 1.014
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



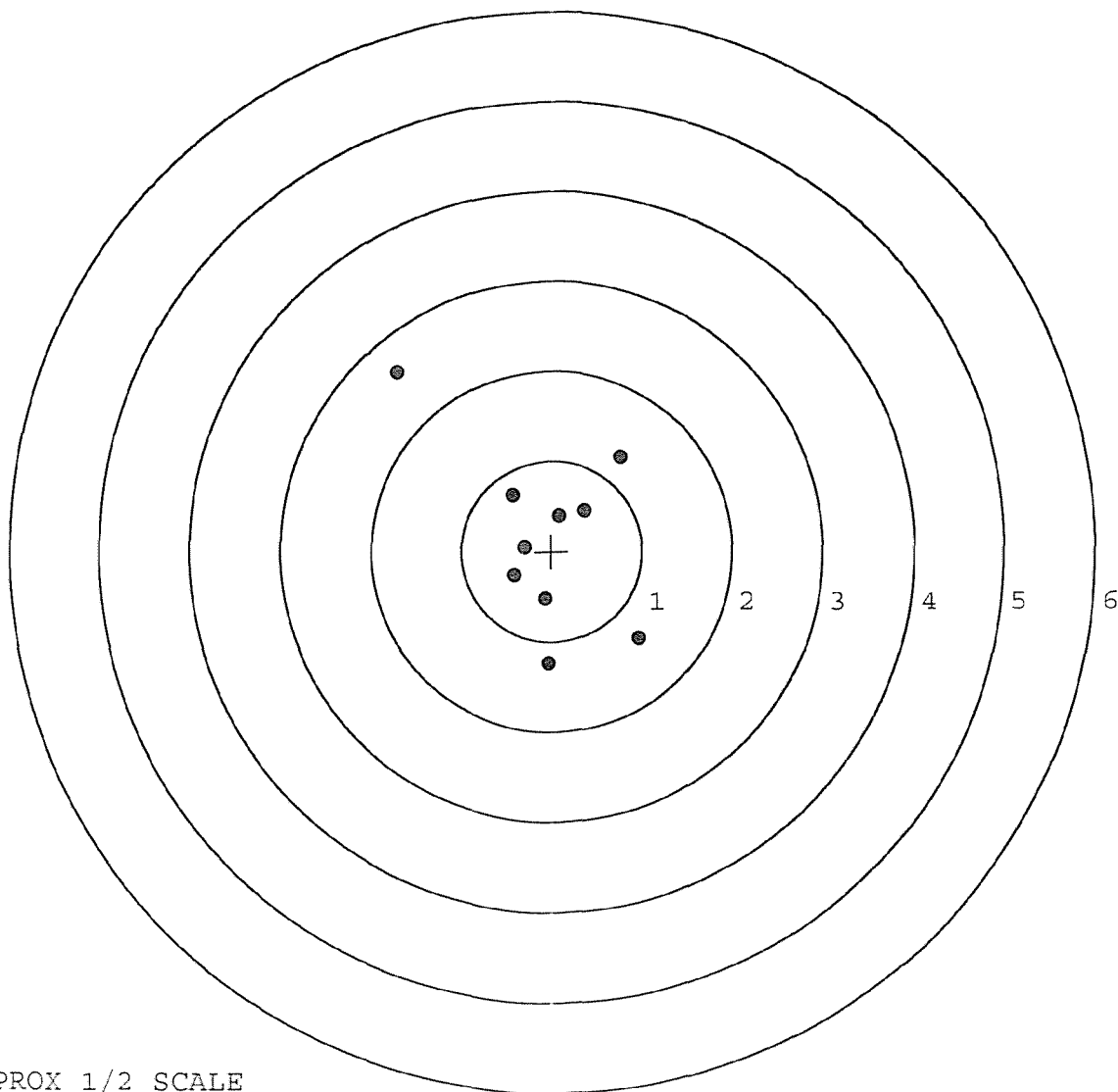
TARGET APPROX 1/2 SCALE

BARBER - M24 0035552

SERIAL NUMBER: C6611762. __0
 TARGET NUMBER: 5
 FILE DATE: 11/20/2001
 FILE TIME: 09:33

POINT#	X	Y
1:	0.766	1.040
2:	0.361	0.452
3:	0.081	0.392
4:	0.961	-0.965
5:	-0.039	-1.247
6:	-0.075	-0.532
7:	-0.439	0.624
8:	-1.714	1.980
9:	-0.303	0.050
10:	-0.416	-0.262

X CENTROID: -0.082
 Y CENTROID: 0.153
 POA TO CENTROID: 0.174
 HORZ SPREAD: 2.675
 VERT SPREAD: 3.227
 GROUP SPREAD: 3.979
 MIN RADIUS: 0.244
 MAX RADIUS: 2.450
 MEAN RADIUS: 0.948
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 3488Z

SERIAL NUMBER C661762

LOG-IN DATE 11-1-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-5-01	RHL
560 A	RE-BARREL AT CUSTOM SHOP	11/6	BWT
B	DRILL AND TAP	11/7	BWT
C	POLISH	11-7-01	RW
575	ASSEMBLE	11-7-01	RW
600	PROOF	11-7-01	RW
605	CHECK HEADSPACE	11-7-01	RW
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER	11/12	(A)
618	ROTO-BLAST	11/14	
620	APPLY COATINGS	11-15	TA
625 A	FINAL ASSEMBLY	11-20-01	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-20-01	RW
655	FINAL INSPECT	11-28-01	RHL
660	PACK	11-28-01	DTA
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: C1601762

DATE REC'D: 11-1-01

DATE RET'D: 11-28-01

Inspector: RTH

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

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

Misc.

- ☒ DD-250
- ☒ BAR CODE
- ☒ PACKAGING

Item:

Stock Assy.

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

Systems Case

- ☒ SCOPE CASE
- ☒ IRON SIGHTS
- ☒ DEPLOYMENT KIT

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Comments:

Remington
MODEL 700™ M24

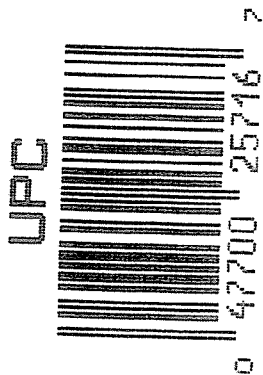
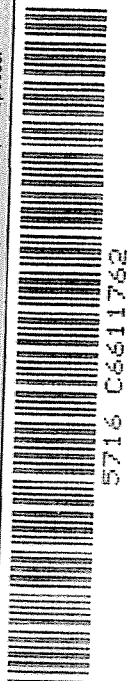
VERY IMPORTANT!
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6611762

ORDER NO.
5716

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



BARBER - M24 0035556
INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611762

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	1/10/91	KA
600	Proof		1/10/91	KA
607	Check Headspace		1/10/91	KA
610	Dis-assemble Gun		1/10/91	KA
612	Magnaflux Barrel Action		1/16/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GL
617	Drill and Tap Sight Holes	1 18 91		KB
618	Polish Barrel	1 18 91		WB
620	Apply Coatings (Barrel Action)		2-13-91	PA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/22/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/22/91	KA
	C) Inspect Ejector Hole for Chamfer		2/22/91	KA
	D) Oil Firing Pin Ass'y		2/22/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2-25-91	DH

BARBER - M24 0035557		READINGS					DATE	INIT	
op. #	OP. NAME								
625 cont.	F) Safety On Force	5	5	5				2-25-91	DH
	G) Safety Off Force	2 3/4	3	3				2-25-91	DH
	H) Trigger Pull Test & Retainability						2-25-91	DH	
	I) Firing Pin Indent	.020	.021	.020				2-25-91	DH
	J) Assemble Stock						3/4/91	KA	
	K) Assemble Swivel Studs						3/5/91	WB	
	L) Attach Front and Rear Sight Assemblies						3/4/91	KA	
	M) Iron Sight Alignment						3/4/91	KA	
	N) Detach Front & Rear Sights & place in numbered container						3/4/91	KA	
	O) Attach Scope to Rifle						3/4/91	KA	
P) Detach & Attach Scope 20 Times						3/4/91	KA		
640	Gallery Target & Test						3/4/91	KA	
	A) Time						"	KA	
	B) Malfunctions						"	KA	
	C) Pierced Primers						"	KA	
	D) Optical Clarity of Scope						"	KA	
645	Inspect for Live Ammo						3/4/91	KA	
655	Final Inspection						3/5/91	WB	
	A) Headspace						3/5/91	WB	
	B) Trigger Pull	2.22	2.16	2.18	2.20	2.15	3-5-91	DH	
	C) Function						3/5/91	WB	
660	Pack						3-15-91	DH	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611762

DATE 2-25-91

TESTER DAH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.65	2.40	2.54	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.58	2.02	2.76	2.16	
PULL #3	2.63	2.84	2.35	2.18	
PULL #4	2.57	2.89	2.57	2.20	
PULL #5	2.48	2.84	2.75	2.15	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.33		
PULL #2	3.58	3.25		
PULL #3	3.39	3.35		
PULL #4	3.28	3.24		
PULL #5	3.56	3.14		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.29		4.51
PULL #2	4.37	4.27		4.60
PULL #3	4.31	4.35		4.54
PULL #4	3.66	4.33		4.88
PULL #5	4.20	4.31		4.89
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611762
5 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.183535
1 TO	2	.216947
1 TO	3	.220819
1 TO	4	.236916
1 TO	5	.300007

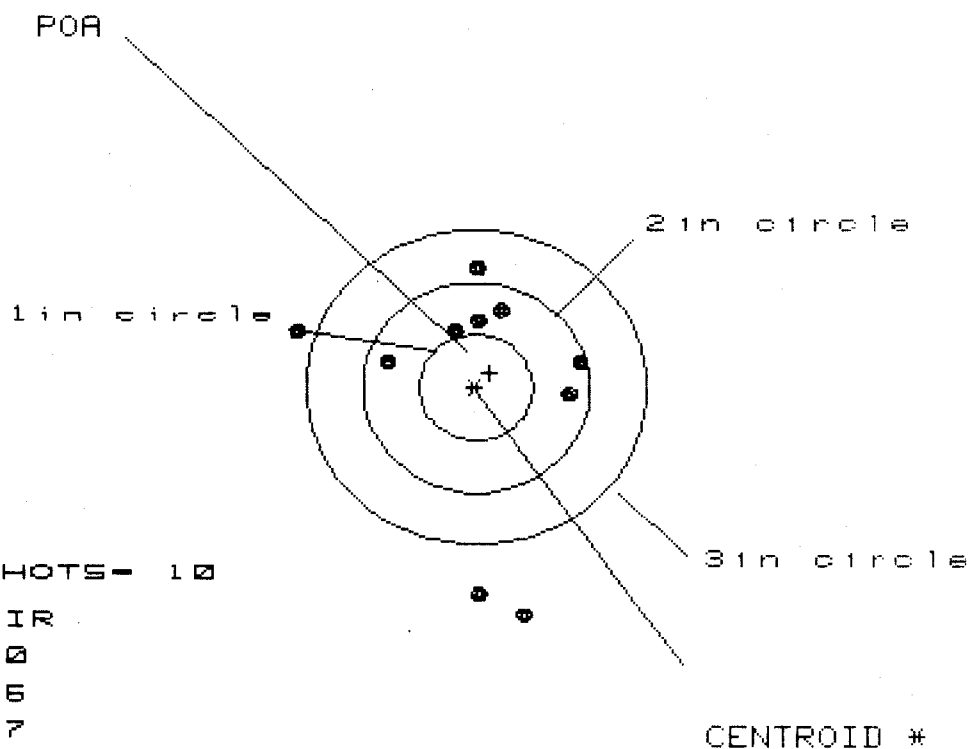
5 <----POR

7. AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0064
 8. AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0386
 9. RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0946304
 10. POI RADIUS FOR THIS RIFLE IS: 1.024

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11762

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 6

3 in = 7

HS = 2.406

VS = 3.294

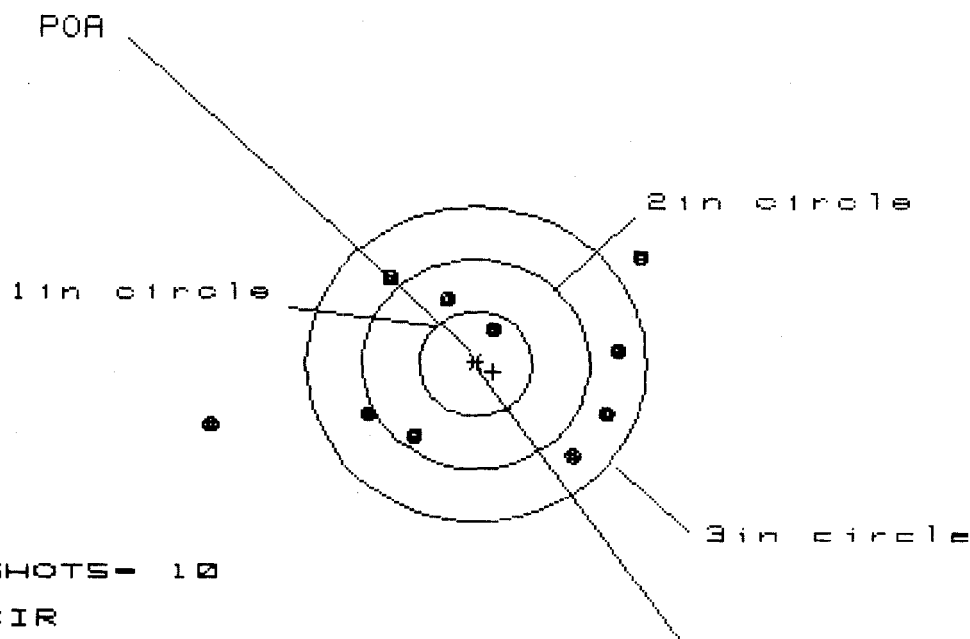
GS = 3.406

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.871	.920	.935
MINIMUM X	:	-1.535	-1.486	-1.471
MAXIMUM Y	:	1.100	.856	.584
MINIMUM Y	:	-2.194	-2.177	-.529
CENTROID X	:	-.121	-.170	-.185
CENTROID Y	:	-.138	.106	.378
POA TO CENTROID in.	:	.183	.200	.421
MIN RADIUS	:	.616	.370	.137
MEAN RADIUS	:	1.148	.938	.683
MAX RADIUS	:	2.239	2.180	1.472
HORIZONTAL SPREAD	:	2.406	2.406	2.406
VERTICAL SPREAD	:	3.294	3.033	1.113
EXTREME SPREAD	:	3.406	3.033	2.460
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611762

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 3.842

VS= 1.911

GS= 4.161

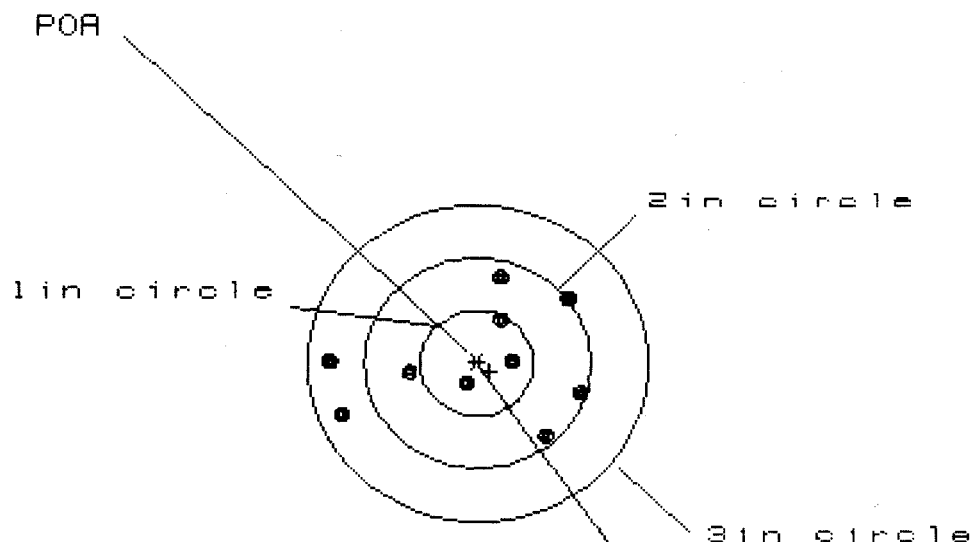
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.460	1.195	1.131
MINIMUM X	:	-2.382	-1.208	-1.059
MAXIMUM Y	:	1.072	1.013	.882
MINIMUM Y	:	-.839	-.898	-.771
CENTROID X	:	-.150	.114	-.035
CENTROID Y	:	.077	.136	.009
POA TO CENTROID in.	:	.169	.178	.036
MIN RADIUS	:	.396	.335	.438
MEAN RADIUS	:	1.210	1.055	.984
MAX RADIUS	:	2.440	1.566	1.258
HORIZONTAL SPREAD	:	3.842	2.403	2.190
VERTICAL SPREAD	:	1.911	1.911	1.653
EXTREME SPREAD	:	4.161	2.846	2.347
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	8		

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611762

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.200

VS= 1.559

GS= 2.262

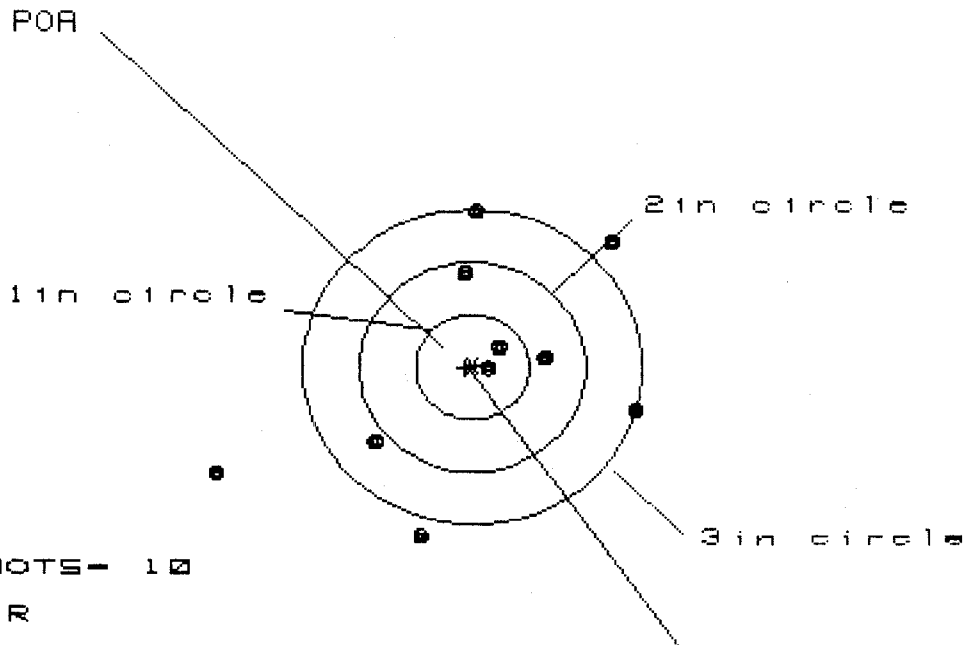
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.908	.764	.600
MINIMUM X	:	-1.300	-1.310	-.859
MAXIMUM Y	:	.843	.839	.780
MINIMUM Y	:	-.717	-.720	-.779
CENTROID X	:	-.102	.042	.206
CENTROID Y	:	.082	.086	.145
POA TO CENTROID in.	:	.131	.096	.251
MIN RADIUS	:	.260	.203	.059
MEAN RADIUS	:	.792	.715	.604
MAX RADIUS	:	1.300	1.391	.875
HORIZONTAL SPREAD	:	2.208	2.074	1.459
VERTICAL SPREAD	:	1.559	1.559	1.559
EXTREME SPREAD	:	2.262	2.262	1.603
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611762

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 6

HS= 3.738

VS= 3.085

GS= 4.178

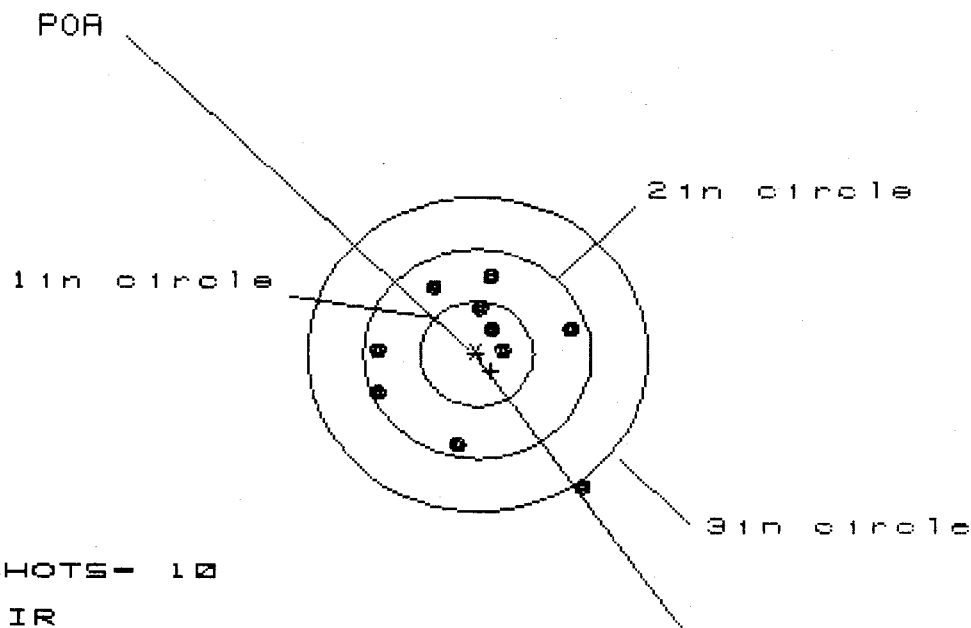
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.434	1.178	1.300
MINIMUM X	:	-2.304	-1.118	-.996
MAXIMUM Y	:	1.490	1.376	1.512
MINIMUM Y	:	-1.595	-1.709	-1.573
CENTROID X	:	.064	.320	.198
CENTROID Y	:	.010	.124	-.012
POA TO CENTROID in.	:	.065	.343	.198
MIN RADIUS	:	.171	.049	.066
MEAN RADIUS	:	1.208	.986	.947
MAX RADIUS	:	2.520	1.869	1.696
HORIZONTAL SPREAD	:	3.738	2.296	2.296
VERTICAL SPREAD	:	3.085	3.085	3.085
EXTREME SPREAD	:	4.178	3.291	3.123
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611762

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 9

3 in = 9

HS= 1.838

VS= 1.950

GS= 2.355

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.962	.973	.880
MINIMUM X	:	-.876	-.769	-.862
MAXIMUM Y	:	.692	.552	.491
MINIMUM Y	:	-1.259	-1.028	-1.089
CENTROID X	:	-.123	-.230	-.137
CENTROID Y	:	.162	.302	.363
POA TO CENTROID in.	:	.204	.380	.388
MIN RADIUS	:	.199	.222	.111
MEAN RADIUS	:	.762	.642	.577
MAX RADIUS	:	1.584	1.029	1.097
HORIZONTAL SPREAD	:	1.838	1.742	1.742
VERTICAL SPREAD	:	1.950	1.580	1.580
EXTREME SPREAD	:	2.355	1.823	1.752
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	9		
NUMBER IN THREE INCH CIRCLE =	:	9		

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611762
12 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.158398
1 TO	2	.0534883
1 TO	3	.2925
1 TO	4	.194139
1 TO	5	.629859

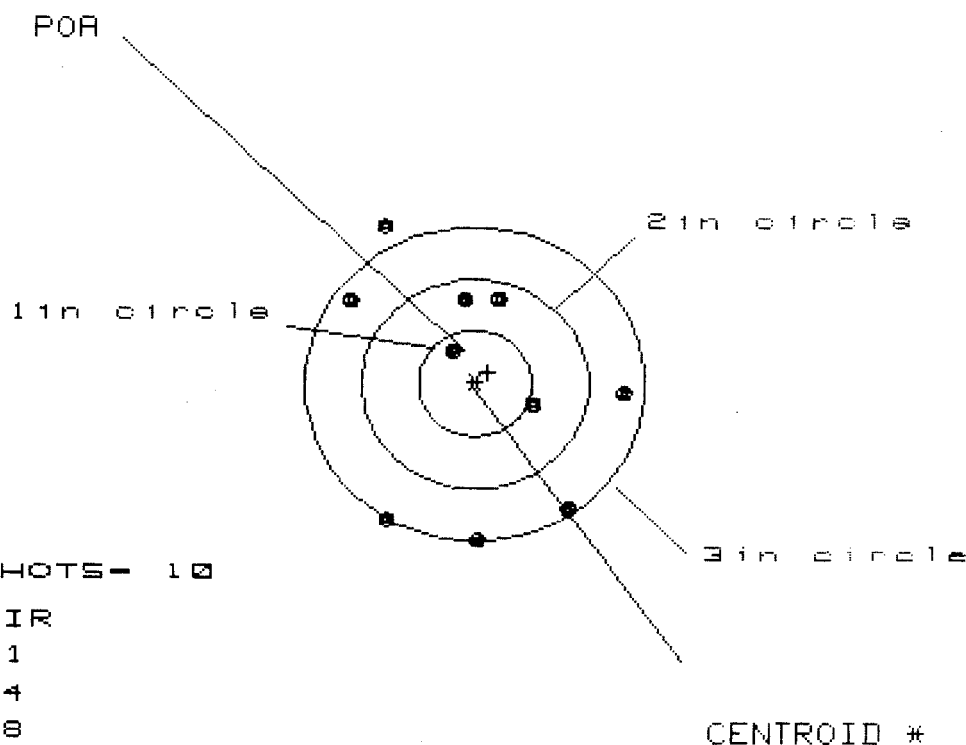
3⁵ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0308
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0762
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0821893
THE AMR FOR THIS RIFLE IS: .9966

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611762.1

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 2.385

VS = 3.054

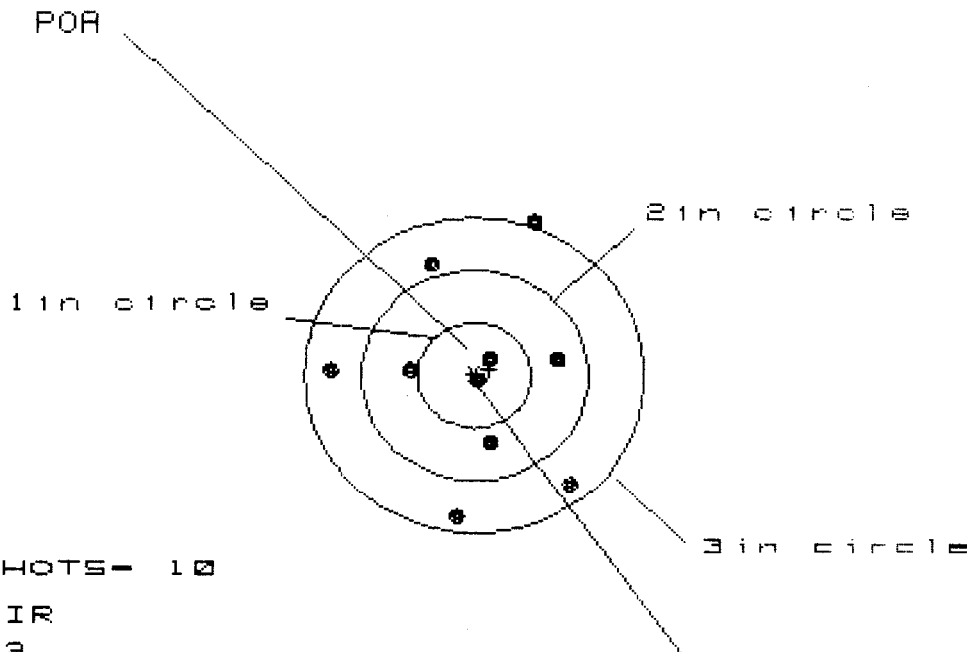
GS = 3.173

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.327	1.244	1.234
MINIMUM X	:	-1.058	-1.141	-1.151
MAXIMUM Y	:	1.537	.994	.825
MINIMUM Y	:	-1.517	-1.346	-1.249
CENTROID X	:	-.113	-.030	-.020
CENTROID Y	:	-.111	-.282	-.113
POA TO CENTROID in.	:	.158	.283	.115
MIN RADIUS	:	.397	.414	.443
MEAN RADIUS	:	1.137	1.079	1.013
MAX RADIUS	:	1.708	1.499	1.503
HORIZONTAL SPREAD	:	2.385	2.385	2.385
VERTICAL SPREAD	:	3.054	2.340	2.074
EXTREME SPREAD	:	3.173	2.772	2.772
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611762.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.110

VS= 2.762

GS= 2.845

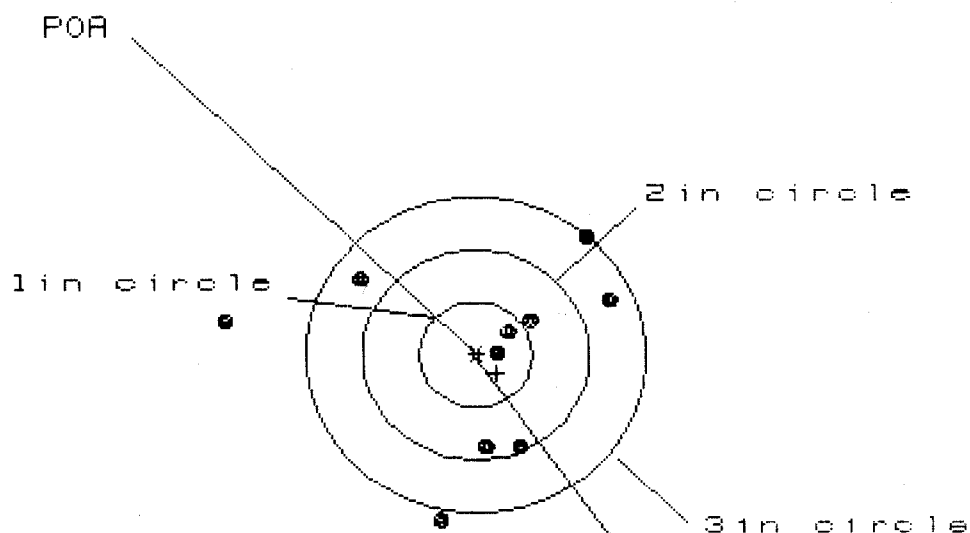
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.803	.860	.845
MINIMUM X	:	-1.307	-1.250	-1.265
MAXIMUM Y	:	1.438	1.269	1.123
MINIMUM Y	:	-1.324	-1.164	-1.003
CENTROID X	:	-.132	-.189	-.174
CENTROID Y	:	-.061	-.221	-.075
POA TO CENTROID in.	:	.146	.290	.189
MIN RADIUS	:	.055	.185	.095
MEAN RADIUS	:	.892	.832	.764
MAX RADIUS	:	1.525	1.296	1.311
HORIZONTAL SPREAD	:	2.110	2.110	2.110
VERTICAL SPREAD	:	2.762	2.433	2.126
EXTREME SPREAD	:	2.845	2.437	2.406
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=			9

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611762.1

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 3.428

VS = 2.698

GS = 3.434

CENTROID *

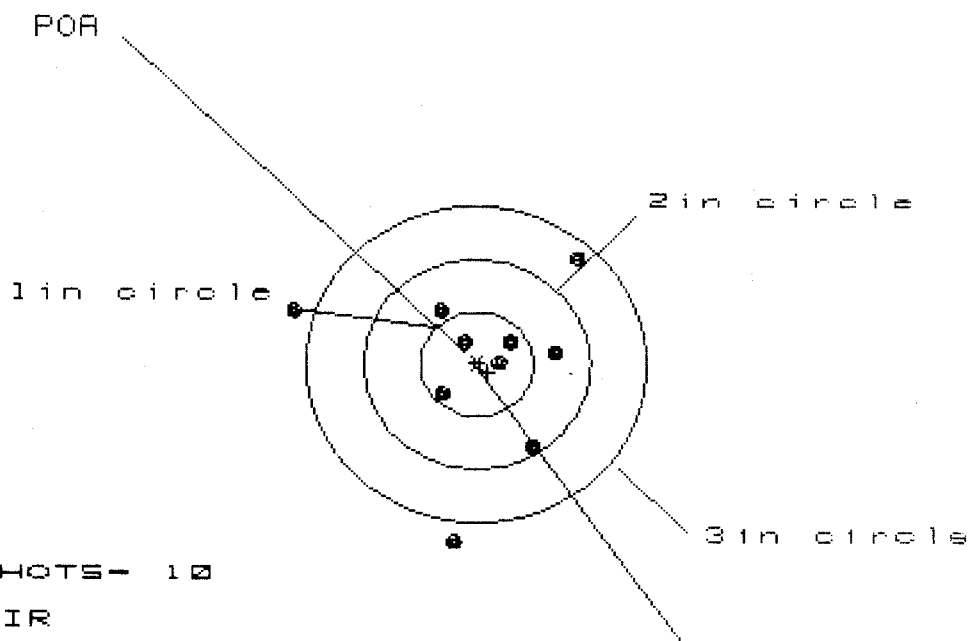
PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.197	.949	.881
MINIMUM X	:	-2.231	-1.267	-1.335
MAXIMUM Y	:	1.097	1.128	.932
MINIMUM Y	:	-1.601	-1.570	-1.018
CENTROID X	:	-.183	.065	.133
CENTROID Y	:	.173	.142	.338
POA TO CENTROID in.	:	.252	.156	.363
MIN RADIUS	:	.184	.132	.133
MEAN RADIUS	:	1.085	.904	.771
MAX RADIUS	:	2.249	1.661	1.452
HORIZONTAL SPREAD	:	3.428	2.216	2.216
VERTICAL SPREAD	:	2.698	2.698	1.950
EXTREME SPREAD	:	3.434	2.966	2.231
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611762.1

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 2.448

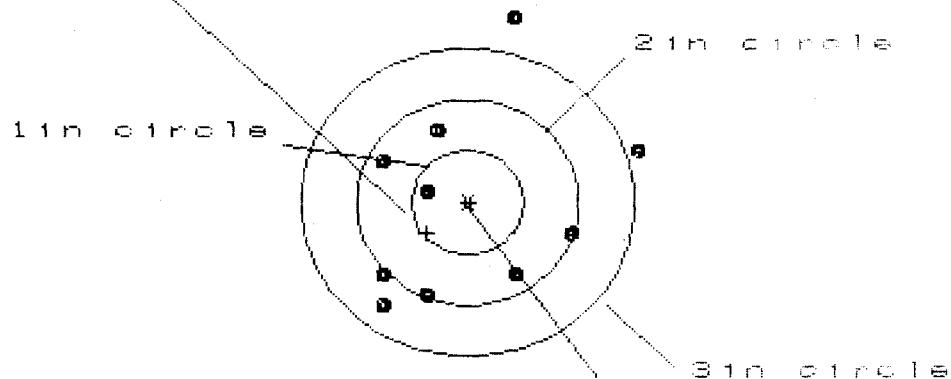
VS= 2.693

GS= 2.880

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.855	.678	.636
MINIMUM X	:	-1.593	-.511	-.553
MAXIMUM Y	:	1.060	1.117	.920
MINIMUM Y	:	-1.633	-1.576	-.956
CENTROID X	:	-.092	.085	.127
CENTROID Y	:	.082	.025	.222
POA TO CENTROID in.	:	.124	.088	.256
MIN RADIUS	:	.148	.094	.132
MEAN RADIUS	:	.811	.709	.565
MAX RADIUS	:	1.675	1.612	1.119
HORIZONTAL SPREAD	:	2.448	1.189	1.189
VERTICAL SPREAD	:	2.693	2.693	1.876
EXTREME SPREAD	:	2.880	2.880	1.916
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

FILE:/PATTERNING/CENTERFIRE PATT/C6B11762.1

FOA



IN CIR

Zin - 2

$$21n = 2$$

H5- 2. 301

VS= 2.835

GS= 3.288

CENTROID #

PATTERN #	:	5	:
SHOTS (BEST OF)	:	10	9 8
MAXIMUM X	:	1.583	1.634 1.178
MINIMUM X	:	-.808	-.757 -.552
MAXIMUM Y	:	1.831	.858 .942
MINIMUM Y	:	-1.004	-.800 -.716
CENTROID X	:	.366	.315 .110
CENTROID Y	:	.298	.094 .010
POA TO CENTROID in.	:	.472	.328 .111
MIN RADIUS	:	.411	.457 .405
MEAN RADIUS	:	1.058	.936 .790
MAX RADIUS	:	1.890	1.769 1.178
HORIZONTAL SPREAD	:	2.391	2.391 1.730
VERTICAL SPREAD	:	2.835	1.658 1.658
EXTREME SPREAD	:	3.088	2.767 1.874
NUMBER IN ONE INCH CIRCLE	=		1
NUMBER IN TWO INCH CIRCLE	=		7
NUMBER IN THREE INCH CIRCLE	=		8