

C6225456

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: RE00139816

Serial: C6225456 Model M24 SWS Center Fire
Caliber: 6.25 NATO Produced: 03/21/1989

Repairman:

Status: Closed 1/15/2008 5:21:01 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: 8TH DESERT STORM

8TH DESERT STORM

Address 1: ISD ARMSROOM

ISD ARMSROOM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

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
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

1/16/2008

9:17 AM

NUM

Serial Number: C6225456

Model: M24 SWS



RE00139816

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225456.___0
FILE DATE AND TIME: 02/01/2008 09:15

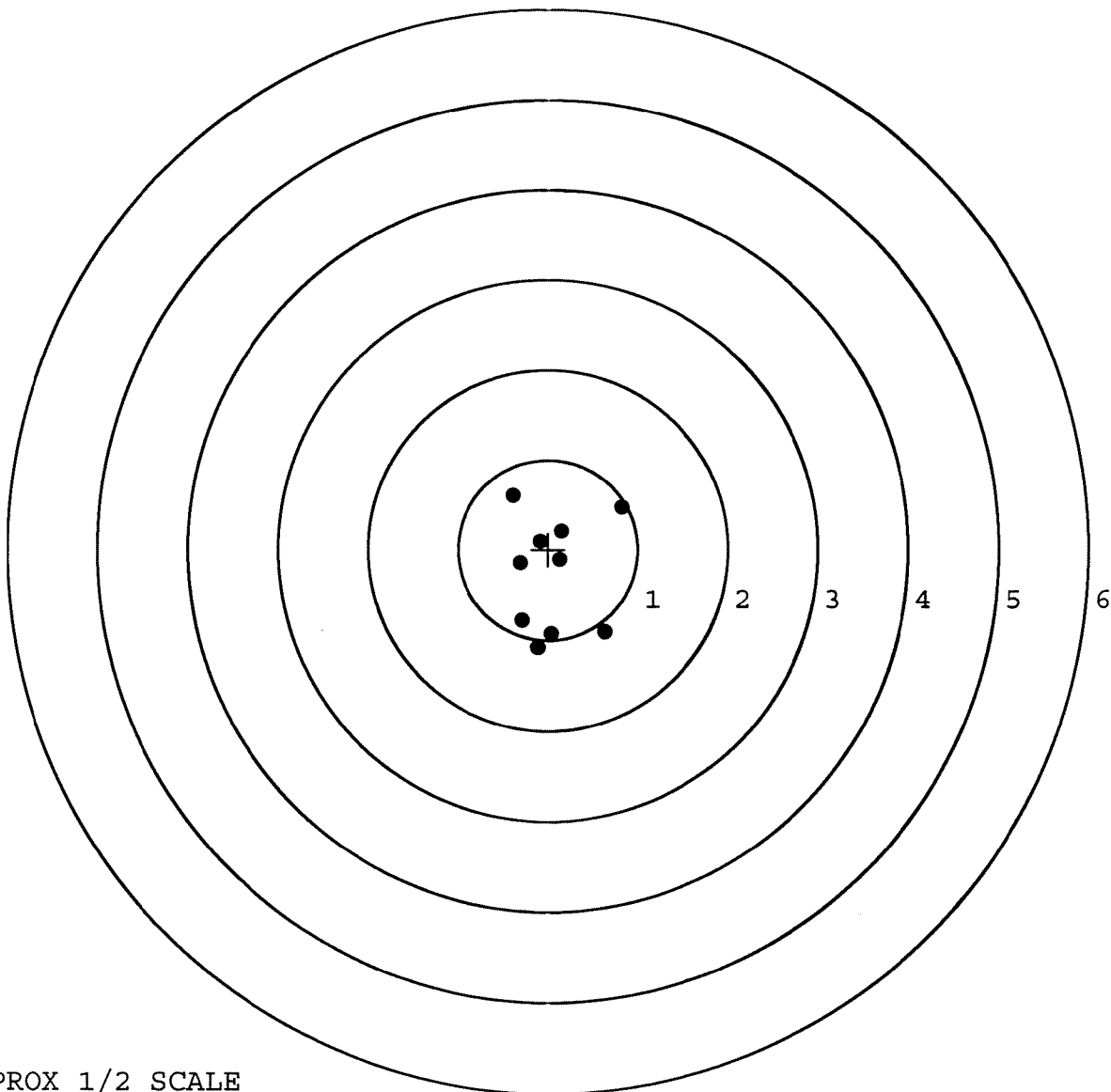
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.023
The Average Y Centroid of the Five Target Set:	-0.036
The Average Point of Impact of the Five Target Set:	0.043
The Average Mean Radius of the Five Target Set:	0.669
The Distance from POA to Centroid Target #1:	0.272
The Distance from Centroid Target #2 to Centroid Target #1:	0.364
The Distance from Centroid Target #3 to Centroid Target #1:	0.243
The Distance from Centroid Target #4 to Centroid Target #1:	0.582
The Distance from Centroid Target #5 to Centroid Target #1:	0.153

SERIAL NUMBER: C6225456. __0
TARGET NUMBER: 1
FILE DATE: 02/01/2008
FILE TIME: 09:15

POINT#	X	Y
1:	-0.387	0.595
2:	0.821	0.470
3:	0.638	-0.914
4:	0.039	-0.938
5:	-0.292	-0.793
6:	-0.119	-1.091
7:	-0.310	-0.154
8:	0.131	-0.119
9:	0.149	0.203
10:	-0.089	0.088

X CENTROID: 0.058
Y CENTROID: -0.265
POA TO CENTROID: 0.272
HORZ SPREAD: 1.208
VERT SPREAD: 1.686
GROUP SPREAD: 1.822
MIN RADIUS: 0.163
MAX RADIUS: 1.060
MEAN RADIUS: 0.646
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

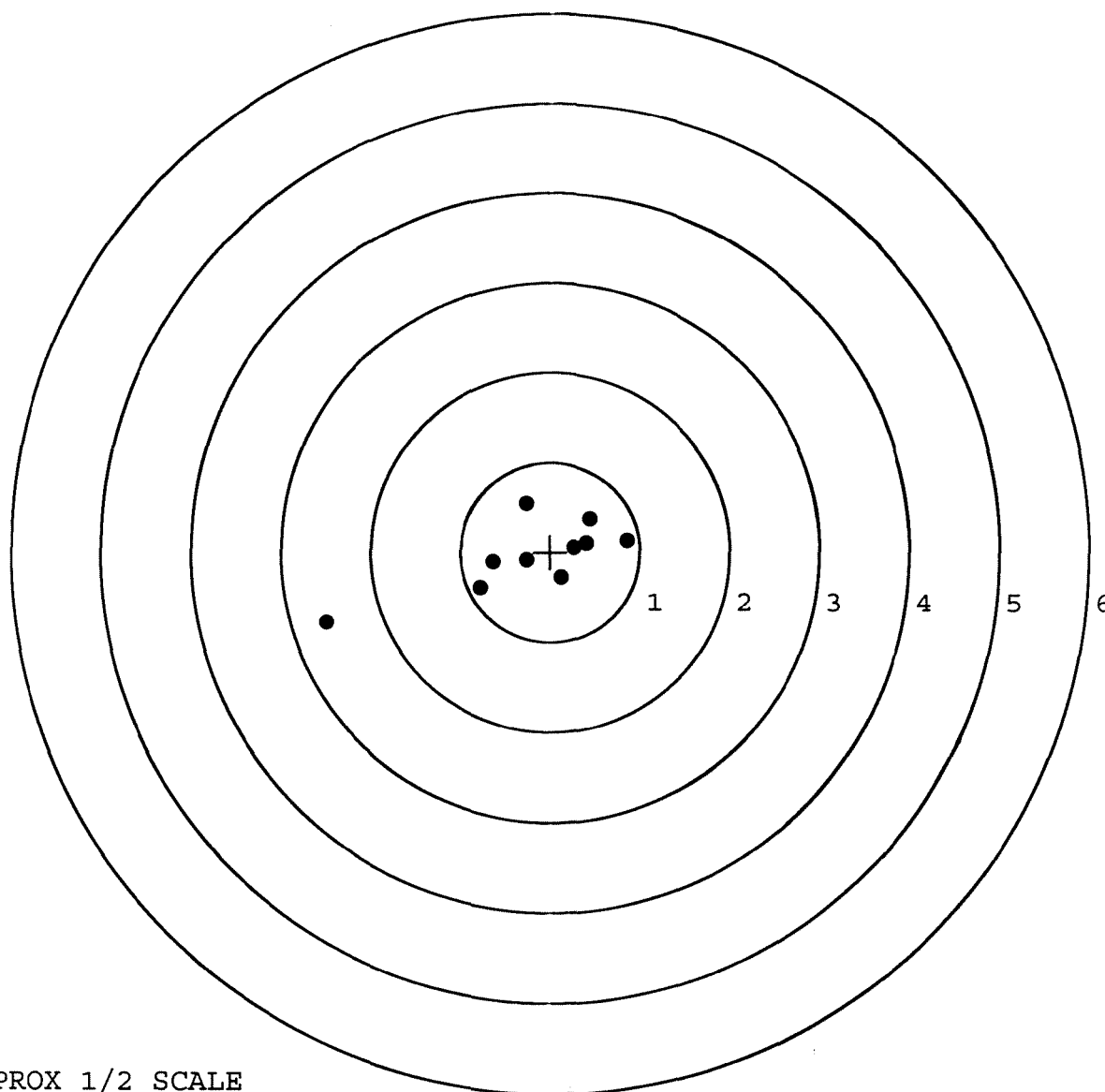


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225456. __0
TARGET NUMBER: 2
FILE DATE: 02/01/2008
FILE TIME: 09:15

X CENTROID: -0.235
Y CENTROID: -0.050
POA TO CENTROID: 0.240
HORZ SPREAD: 3.349
VERT SPREAD: 1.328
GROUP SPREAD: 3.474
MIN RADIUS: 0.050
MAX RADIUS: 2.378
MEAN RADIUS: 0.757
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-2.494	-0.794
2:	-0.272	0.534
3:	-0.778	-0.395
4:	-0.640	-0.109
5:	-0.264	-0.091
6:	0.120	-0.284
7:	0.855	0.128
8:	0.443	0.370
9:	0.409	0.096
10:	0.268	0.049

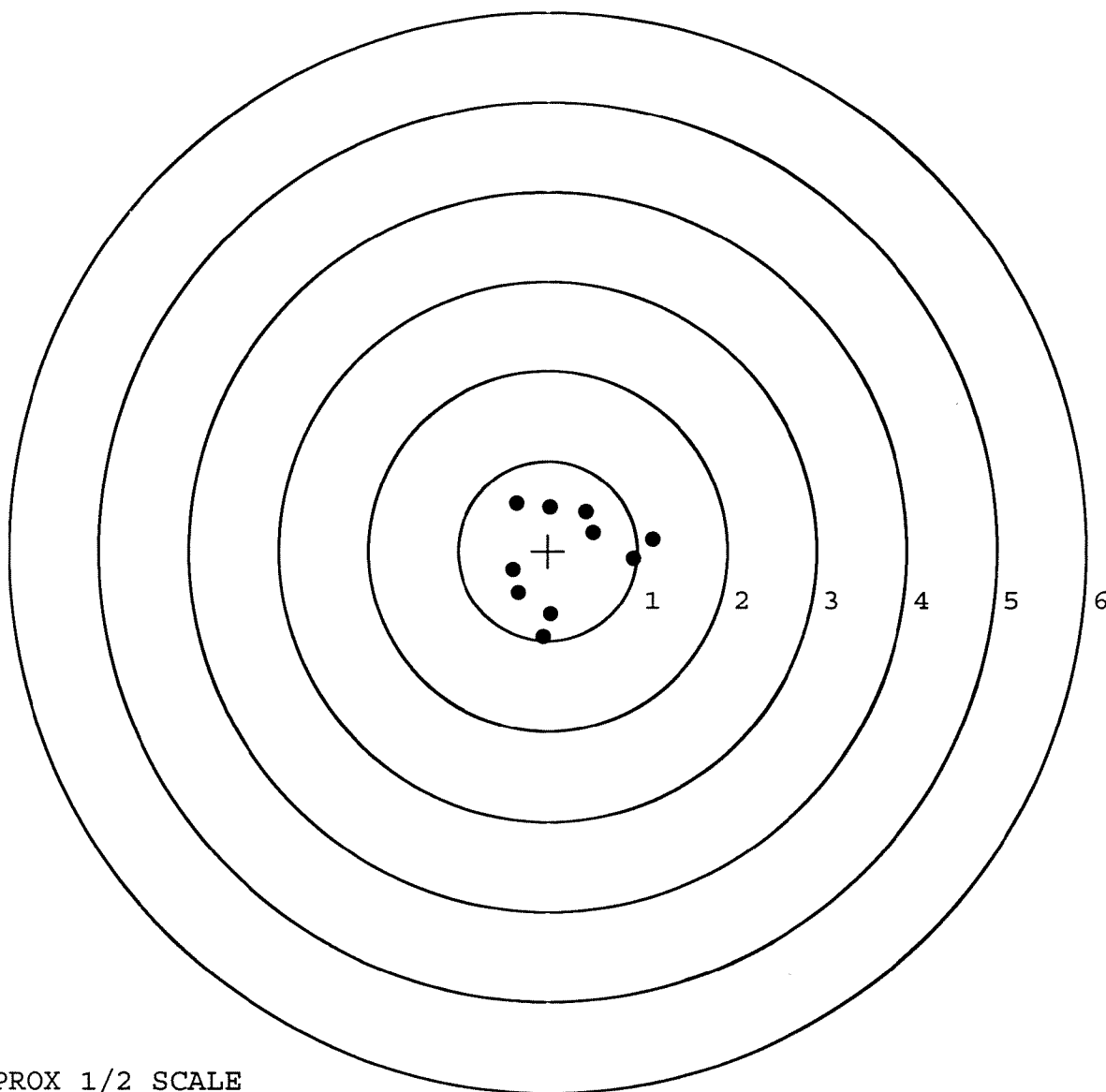


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225456. __0
 TARGET NUMBER: 3
 FILE DATE: 02/01/2008
 FILE TIME: 09:15

X CENTROID: 0.199
 Y CENTROID: -0.067
 POA TO CENTROID: 0.210
 HORZ SPREAD: 1.562
 VERT SPREAD: 1.490
 GROUP SPREAD: 1.641
 MIN RADIUS: 0.411
 MAX RADIUS: 0.991
 MEAN RADIUS: 0.698
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.056	-0.963
2:	0.028	-0.713
3:	-0.329	-0.470
4:	-0.391	-0.220
5:	-0.347	0.527
6:	0.020	0.490
7:	0.429	0.439
8:	0.509	0.203
9:	1.171	0.127
10:	0.957	-0.088



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225456. __0

TARGET NUMBER: 4

FILE DATE: 02/01/2008

FILE TIME: 09:15

X CENTROID: 0.027

Y CENTROID: 0.315

POA TO CENTROID: 0.317

HORZ SPREAD: 0.978

VERT SPREAD: 2.451

GROUP SPREAD: 2.547

MIN RADIUS: 0.365

MAX RADIUS: 1.560

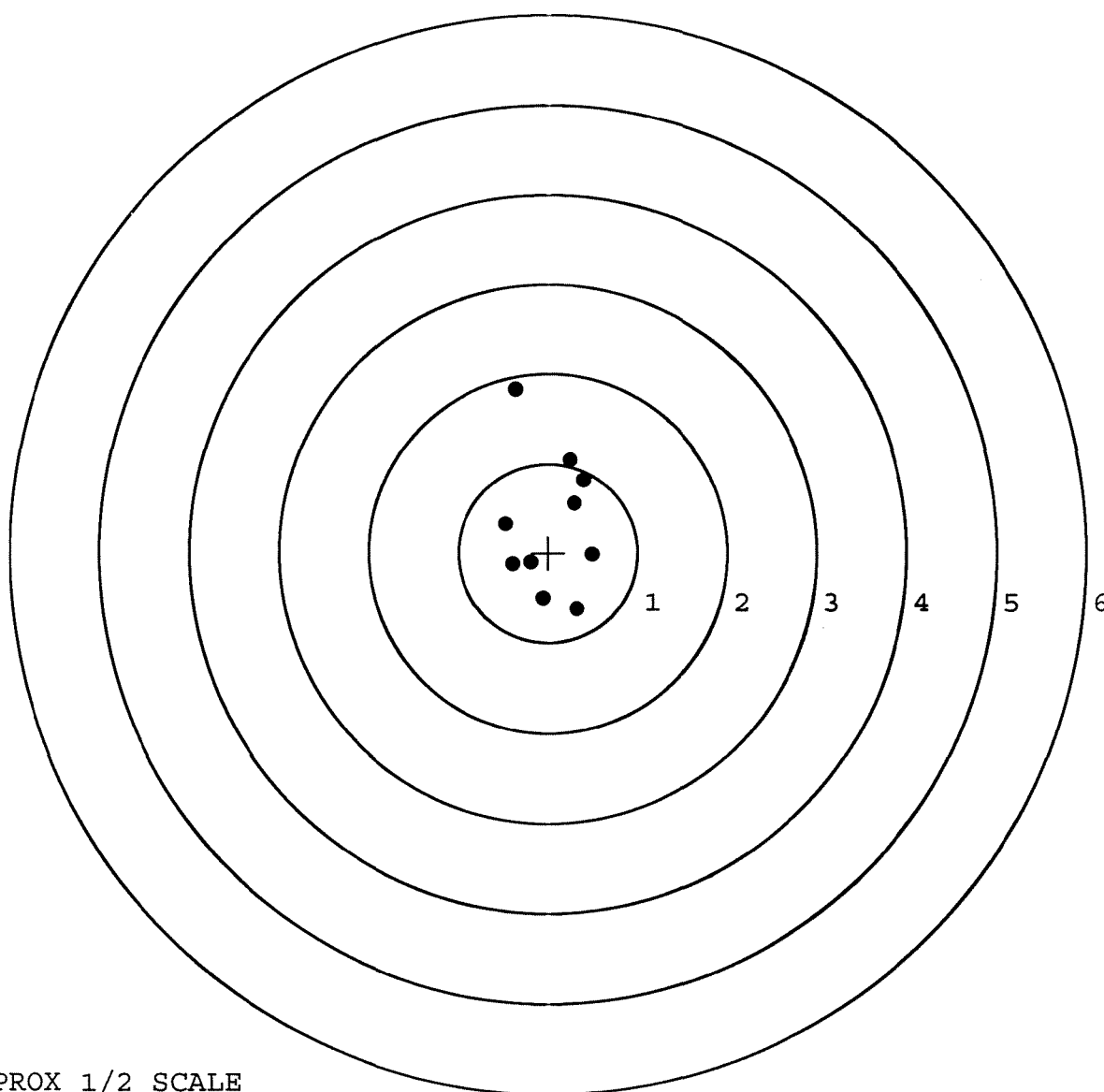
MEAN RADIUS: 0.732

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.324	-0.627
2:	-0.063	-0.511
3:	0.500	-0.026
4:	-0.198	-0.111
5:	-0.478	0.322
6:	-0.368	1.824
7:	0.251	1.040
8:	0.406	0.817
9:	0.300	0.558
10:	-0.399	-0.132

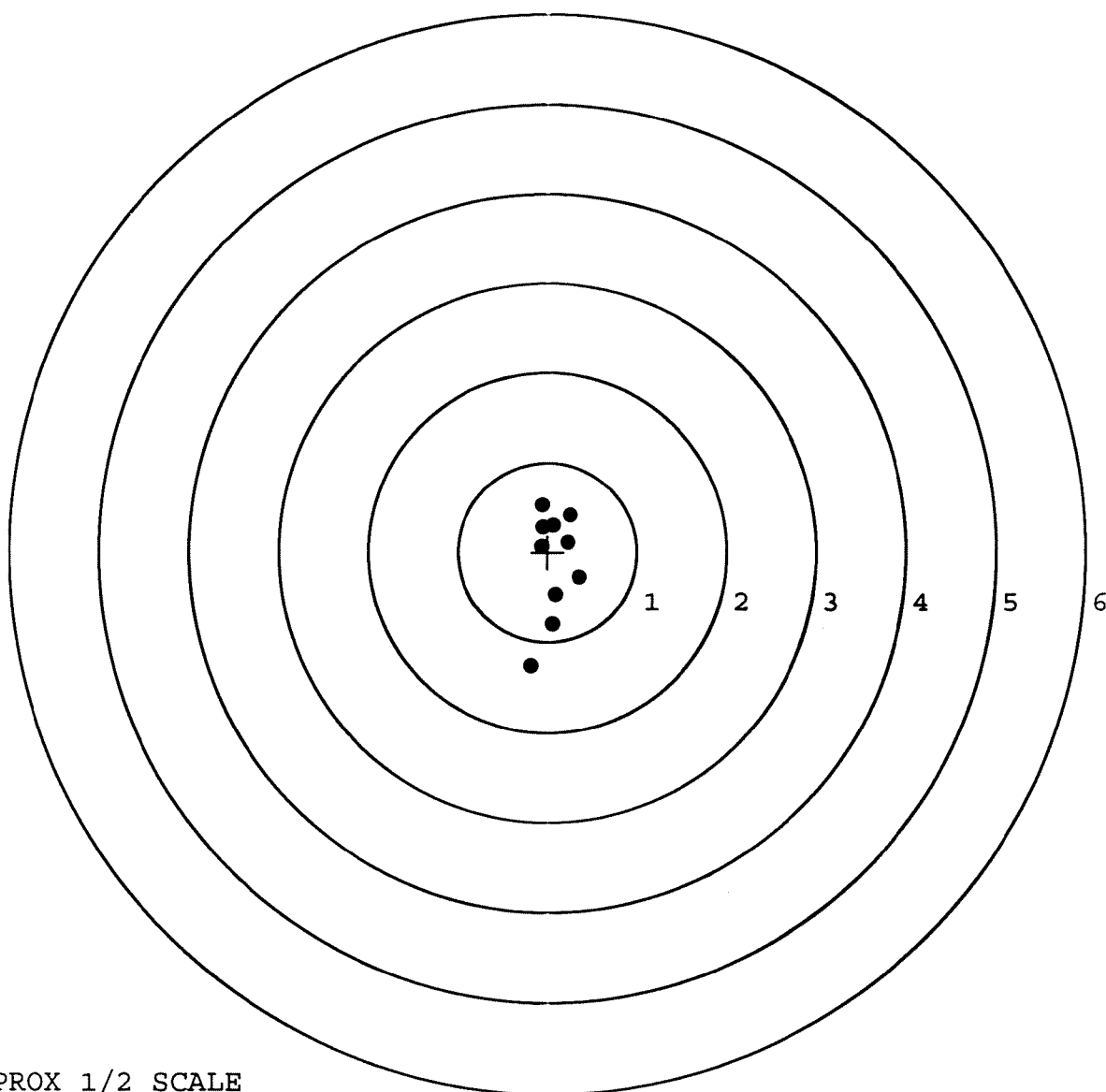


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225456. __0
TARGET NUMBER: 5
FILE DATE: 02/01/2008
FILE TIME: 09:15

X CENTROID: 0.068
Y CENTROID: -0.113
POA TO CENTROID: 0.132
HORZ SPREAD: 0.549
VERT SPREAD: 1.806
GROUP SPREAD: 1.810
MIN RADIUS: 0.225
MAX RADIUS: 1.188
MEAN RADIUS: 0.514
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.189	-1.273
2:	0.055	-0.808
3:	0.090	-0.474
4:	0.360	-0.284
5:	0.229	0.107
6:	0.255	0.417
7:	-0.062	0.533
8:	-0.057	0.282
9:	-0.069	0.066
10:	0.066	0.306



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>139816</u>			
SERIAL NUMBER <u>C622 5456</u>			
LOG-IN DATE <u>1-15-08</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-21-08	RTZ
505	RE-BARREL	1-24-08	RTZ
560	ASSEMBLE	1-24-08	RTZ
600	PROOF	1-24-08	TRW
605	CHECK HEADSPACE	1-24-08 1-24-08	TRW
610	DIS-ASSEMBLE GUN	1-24-08	RTZ
612	MAGNAFLUX	1-25-08	JB
510	DRILL AND TAP	1-25-08	TRW
615	ROLLMARK CALIBER	1-25-08	CW
618	ROTO-BLAST	1-25-08	SG
620	APPLY COATINGS	1-29-08	CM
625	FINAL ASSEMBLY	1-30-08	R.P.D.
640	FUNCTION TEST AND	(PASS) FAIL 1-31-08	TRW
650	TARGET	(PASS) FAIL 1-31-08	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-31-08	RP
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	
		281 281 273 263 265 2508	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	
		4.2 4.2 4.0 258	DA
	G) SAFETY OFF FORCE	2 LBS MAX	
		4.2 4.5 4.2 258	DA
	I) FIRING PIN INDENT	.020	
		.020 .020 .020 25-08	DA
690	PACK	2-12-08	DA

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6225456

ORDER NO.
5716

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

20



5716 C6225456

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225456

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12 9 88	88	RW
600	Proof	12 9 88	88	RW
607	Check Headspace	12 9 88	88	RW
610	Dis-assemble Gun	12 9 88	88	RW
612	Magnaflux Barrel Action.		12 22 88	RK.
	Magnaflux Bolt		1-3-89	RK.
615	Rollmark Caliber		12/22/88	M.B.C.
617	Drill and Tap Sight Holes	1 3 89	89	FB
618	Polish Barrel	12 2 88	88	WOT
620	Apply Coatings (Barrel Action)		1-18-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/9/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/9/89	RW
	C) Inspect Ejector Hole for Chamfer		2/9/89	RW
	D) Oil Firing Pin Ass'y		2/9/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		14 Feb 89	JD

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			14 Feb 89	JS
	G) Safety Off Force	3	3	3			14 Feb 89	JS
	H) Trigger Pull Test & Retainability						14 Feb 89	JS
	I) Firing Pin Indent	.021	.0205	.0215			14 Feb 89	JS
	J) Assemble Stock						2/16/89	RW
	K) Assemble Swivel Studs						17 Feb 89	JS
	L) Attach Front and Rear Sight Assemblies						2/16/89	RW
	M) Iron Sight Alignment						2/16/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/16/89	RW
	O) Attach Scope to Rifle						17 Feb 89	JS
	P) Detach & Attach Scope 20 Times						17 Feb 89	JS
640	Gallery Target & Test	73	R	81	L		2/16/89	K
	A) Time							K
	B) Malfunctions					NONE		K
	C) Pierced Primers					NONE		K
	D) Optical Clarity of Scope					OK	2/16/89	K
645	Inspect for Live Ammo					NONE	2/16/89	AC
655	Final Inspection							
	A) Headspace						17 Feb 89	JS
	B) Trigger Pull	2.46	2.46	2.53	2.54	2.52	17 Feb 89	JS
	C) Function						17 Feb 89	JS
660	Pack						23 Mar 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225456

DATE 4-6-90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.37		2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.42		2.34	
PULL #3	2.37	2.26		2.27	
PULL #4	2.34	2.31		2.35	
PULL #5	2.38	2.38		2.32	
TOTAL	12.08	11.66		11.60	
AVG.	2.416	2.332		2.32	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.38		
PULL #2	3.38	3.43		
PULL #3	3.41	3.41		
PULL #4	3.44	3.44		
PULL #5	3.42	3.45		
TOTAL	17.10	17.11		
AVG.	3.42	3.422		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.23		
PULL #2	4.26	4.26		
PULL #3	4.27	4.26		
PULL #4	4.24	4.24		
PULL #5	4.24	4.26		
TOTAL	21.24	21.25		
AVG.	4.248	4.25		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225456
17 Feb 1989

CENTROIDAL DISTANCES

0	TO	1	.246349
1	TO	2	.375293
1	TO	3	.0696348
1	TO	4	.145661
1	TO	5	.0382099

4 <----POA

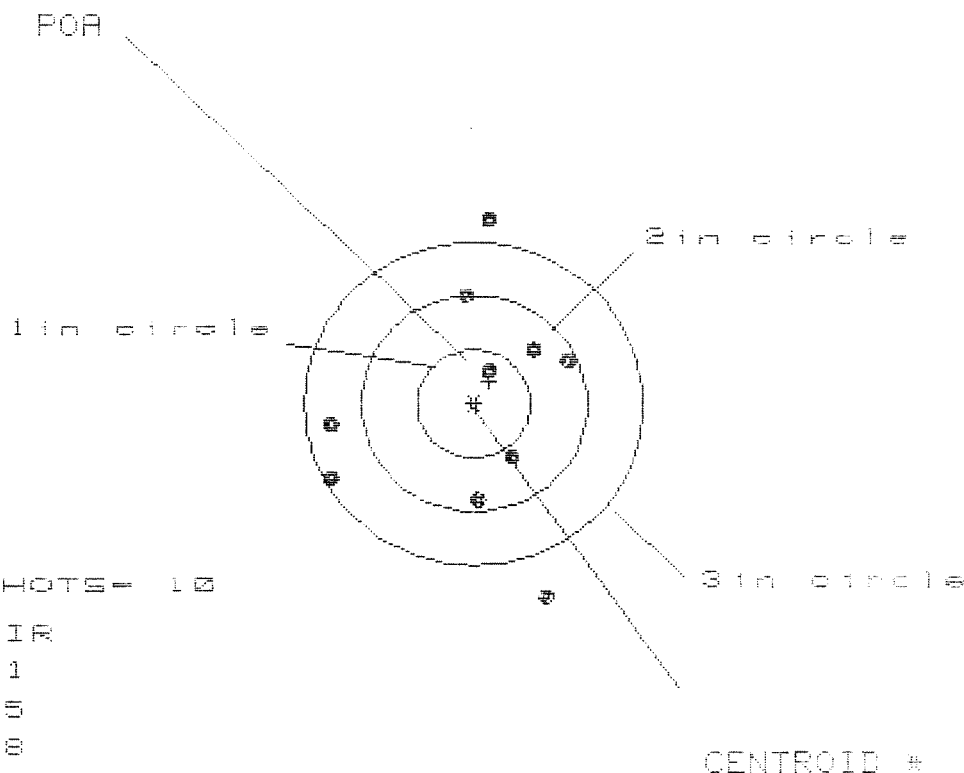
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0996
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1142
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .151532

THE AMR FOR THIS RIFLE IS: .8724

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225456

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.022

VS= 3.467

GS= 3.510

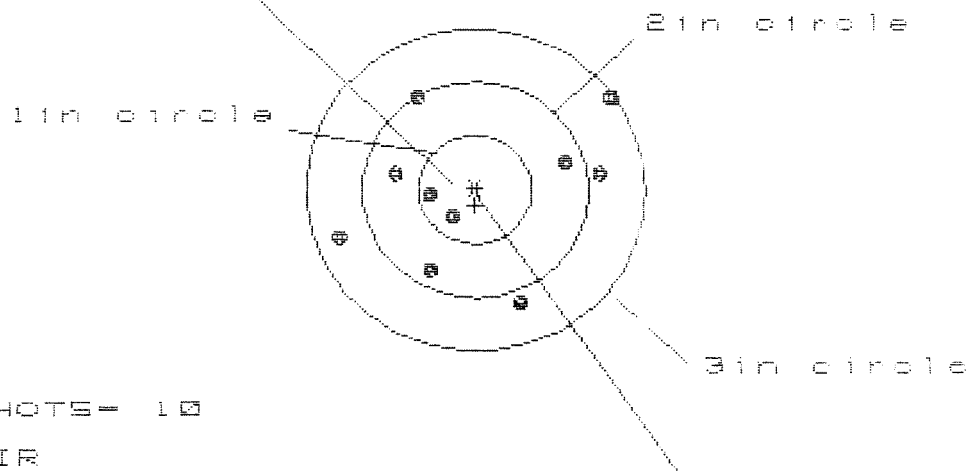
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.782	.855	.878
MINIMUM X	:	-1.240	-1.167	-1.144
MAXIMUM Y	:	1.716	1.522	1.024
MINIMUM Y	:	-1.751	-1.084	-.894
CENTROID X	:	-.132	-.205	-.228
CENTROID Y	:	-.208	-.014	-.204
POA TO CENTROID in.	:	.247	.206	.306
MIN RADIUS	:	.340	.222	.378
MEAN RADIUS	:	1.072	.967	.902
MAX RADIUS	:	1.870	1.533	1.353
HORIZONTAL SPREAD	:	2.022	2.022	2.022
VERTICAL SPREAD	:	3.467	2.606	1.918
EXTREME SPREAD	:	3.510	2.784	2.331
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225456

CENTERFIRE PATTERNS # 2

FOR



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.381

VS= 1.916

GS= 2.693

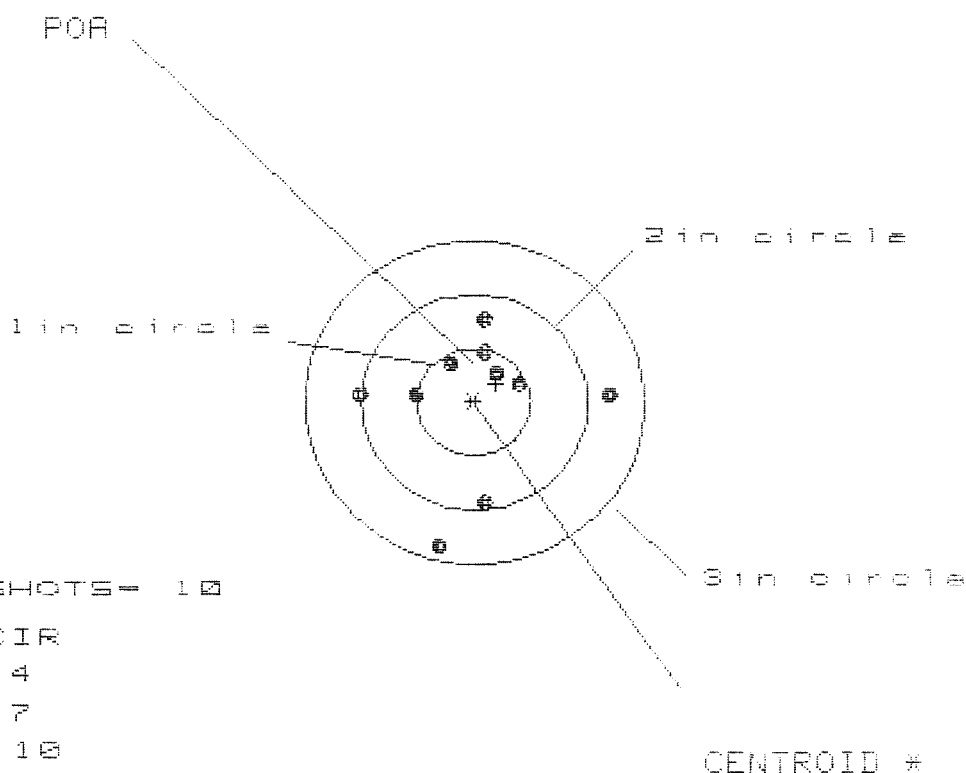
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.189	1.207	1.074
MINIMUM X	:	-1.192	-1.059	-.693
MAXIMUM Y	:	.889	.983	.944
MINIMUM Y	:	-1.027	-.933	-.972
CENTROID X	:	.006	-.127	.006
CENTROID Y	:	.141	.047	.086
FOR TO CENTROID in.	:	.141	.135	.087
MIN RADIUS	:	.315	.154	.283
MEAN RADIUS	:	.899	.797	.780
MAX RADIUS	:	1.460	1.238	1.100
HORIZONTAL SPREAD	:	2.381	2.266	1.767
VERTICAL SPREAD	:	1.916	1.916	1.916
EXTREME SPREAD	:	2.693	2.343	2.106
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Feb 1989

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 2.209

VS= 2.086

GS= 2.209

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.165	1.129	.484
MINIMUM X	:	-1.044	-1.080	-.938
MAXIMUM Y	:	.746	.598	.583
MINIMUM Y	:	-1.340	-1.051	-1.066
CENTROID X	:	-.189	-.153	-.295
CENTROID Y	:	-.168	-.020	-.005
POA TO CENTROID in.	:	.253	.155	.295
MIN RADIUS	:	.379	.244	.234
MEAN RADIUS	:	.747	.629	.563
MAX RADIUS	:	1.378	1.136	1.083
HORIZONTAL SPREAD	:	2.209	2.209	1.422
VERTICAL SPREAD	:	2.086	1.649	1.649
EXTREME SPREAD	:	2.209	2.209	1.649
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Feb 1989

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CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.042

VS= 2.072

GS= 2.420

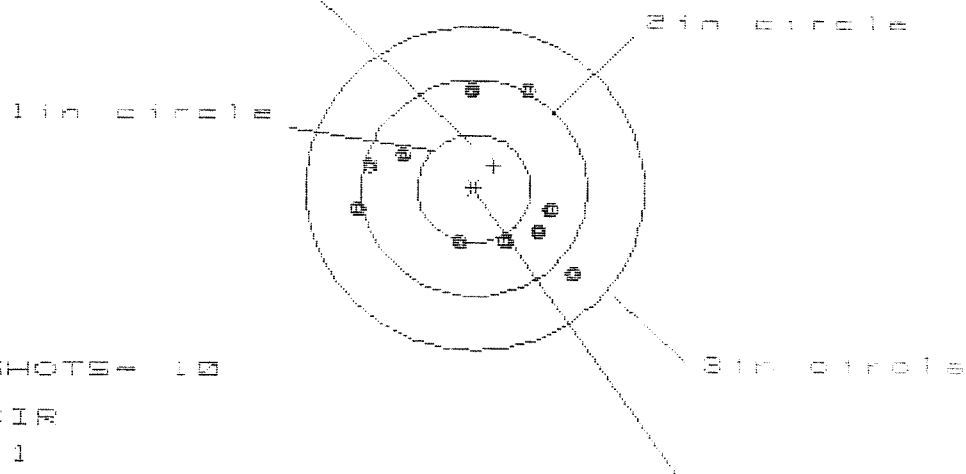
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.110	.975	.960
MINIMUM X	:	-.932	-.809	-.824
MAXIMUM Y	:	.944	1.042	.913
MINIMUM Y	:	-1.128	-1.030	-1.090
CENTROID X	:	-.013	-.136	-.121
CENTROID Y	:	-.124	-.222	-.093
POA TO CENTROID in.	:	.125	.260	.153
MIN RADIUS	:	.261	.228	.149
MEAN RADIUS	:	.826	.743	.686
MAX RADIUS	:	1.414	1.042	1.115
HORIZONTAL SPREAD	:	2.042	1.784	1.784
VERTICAL SPREAD	:	2.072	2.072	2.003
EXTREME SPREAD	:	2.420	2.074	2.022
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06285456

CENTERFIRE PATTERNS # 5

POB



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.885

VS = 1.693

GS = 2.076

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.919	.745	.625
MINIMUM X	:	-1.066	-.964	-.943
MAXIMUM Y	:	.947	.864	.834
MINIMUM Y	:	-.746	-.526	-.556
CENTROID X	:	-.170	-.272	-.152
CENTROID Y	:	-.212	-.129	-.099
POB TO CENTROID in.	:	.272	.301	.181
MIN RADIUS	:	.469	.528	.582
MEAN RADIUS	:	.818	.779	.746
MAX RADIUS	:	1.183	.999	.947
HORIZONTAL SPREAD	:	1.985	1.709	1.567
VERTICAL SPREAD	:	1.693	1.390	1.390
EXTREME SPREAD	:	2.076	1.872	1.624
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	