

C6225318

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
Model 700

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.
C6225318

ORDER NO.
5716

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

Ø1



5716 C6225318

UPC



0 47700 25716 7

Serial Number: C6225318

Model: 700



RE00049182

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225318.___0
FILE DATE AND TIME: 08/01/2002 22:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

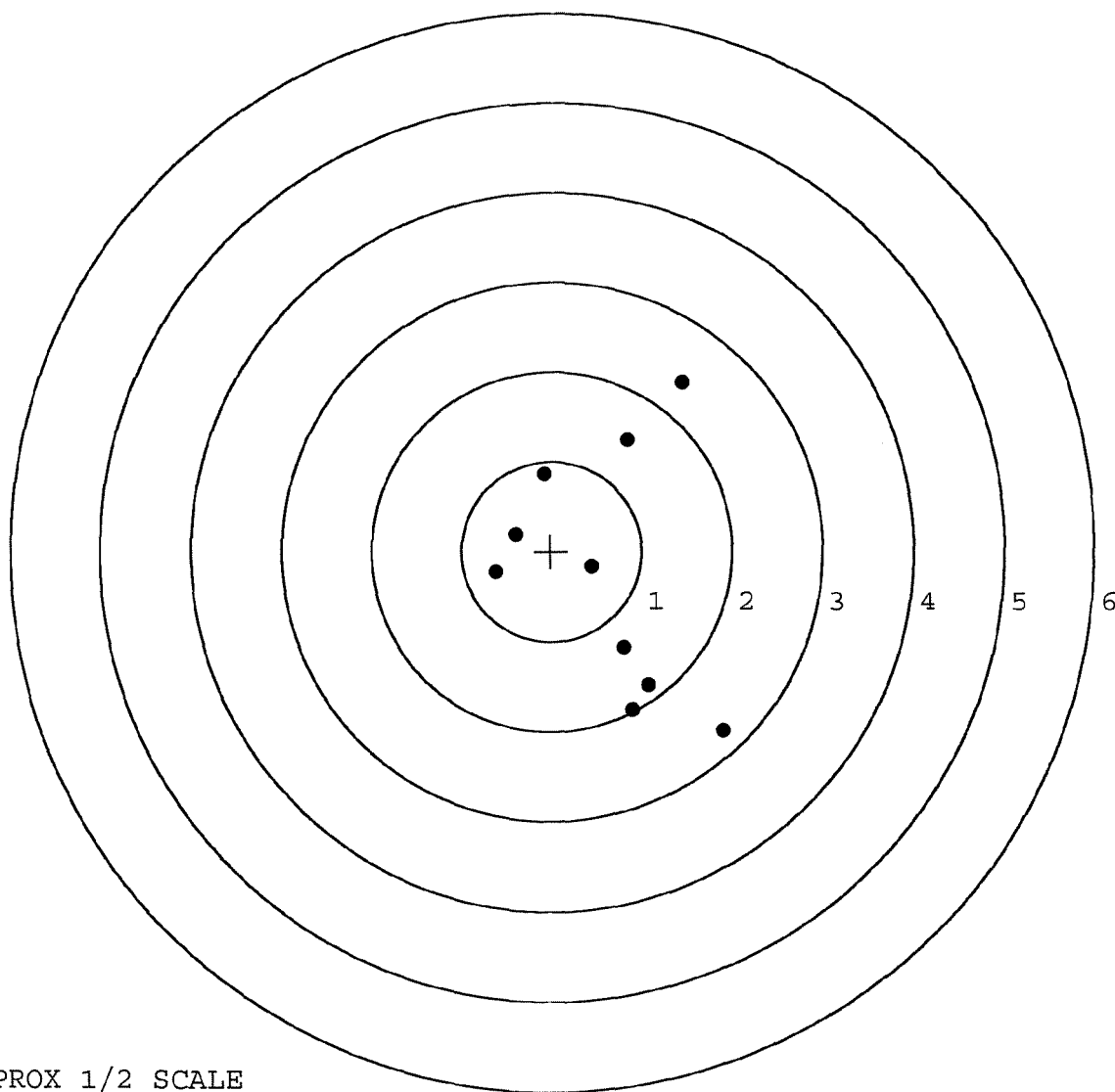
The Average X Centroid of the Five Target Set:	0.144
The Average Y Centroid of the Five Target Set:	-0.091
The Average Point of Impact of the Five Target Set:	0.170
The Average Mean Radius of the Five Target Set:	0.660
The Distance from POA to Centroid Target #1:	0.683
The Distance from Centroid Target #2 to Centroid Target #1:	0.672
The Distance from Centroid Target #3 to Centroid Target #1:	0.720
The Distance from Centroid Target #4 to Centroid Target #1:	0.597
The Distance from Centroid Target #5 to Centroid Target #1:	0.611

BARBER - M24 0012659

SERIAL NUMBER: C6225318. __0
 TARGET NUMBER: 1
 FILE DATE: 08/01/2002
 FILE TIME: 22:16

POINT#	X	Y
1:	1.910	-1.996
2:	0.908	-1.765
3:	1.080	-1.492
4:	0.808	-1.067
5:	0.447	-0.173
6:	-0.616	-0.240
7:	-0.395	0.187
8:	-0.086	0.857
9:	0.840	1.242
10:	1.438	1.884

X CENTROID: 0.633
 Y CENTROID: -0.256
 POA TO CENTROID: 0.683
 HORZ SPREAD: 2.526
 VERT SPREAD: 3.880
 GROUP SPREAD: 3.909
 MIN RADIUS: 0.204
 MAX RADIUS: 2.287
 MEAN RADIUS: 1.353
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 2
 # in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

BARBER - M24 0012660

SERIAL NUMBER: C6225318. 0

TARGET NUMBER: 2

FILE DATE: 08/01/2002

FILE TIME: 22:16

POINT#	X	Y
1:	-1.273	-0.231
2:	0.103	-0.199
3:	0.337	-0.162
4:	0.413	0.042
5:	0.524	-0.117
6:	0.289	0.544
7:	0.108	0.363
8:	-0.157	0.275

X CENTROID: 0.043

Y CENTROID: 0.064

POA TO CENTROID: 0.077

HORZ SPREAD: 1.797

VERT SPREAD: 0.775

GROUP SPREAD: 1.801

MIN RADIUS: 0.270

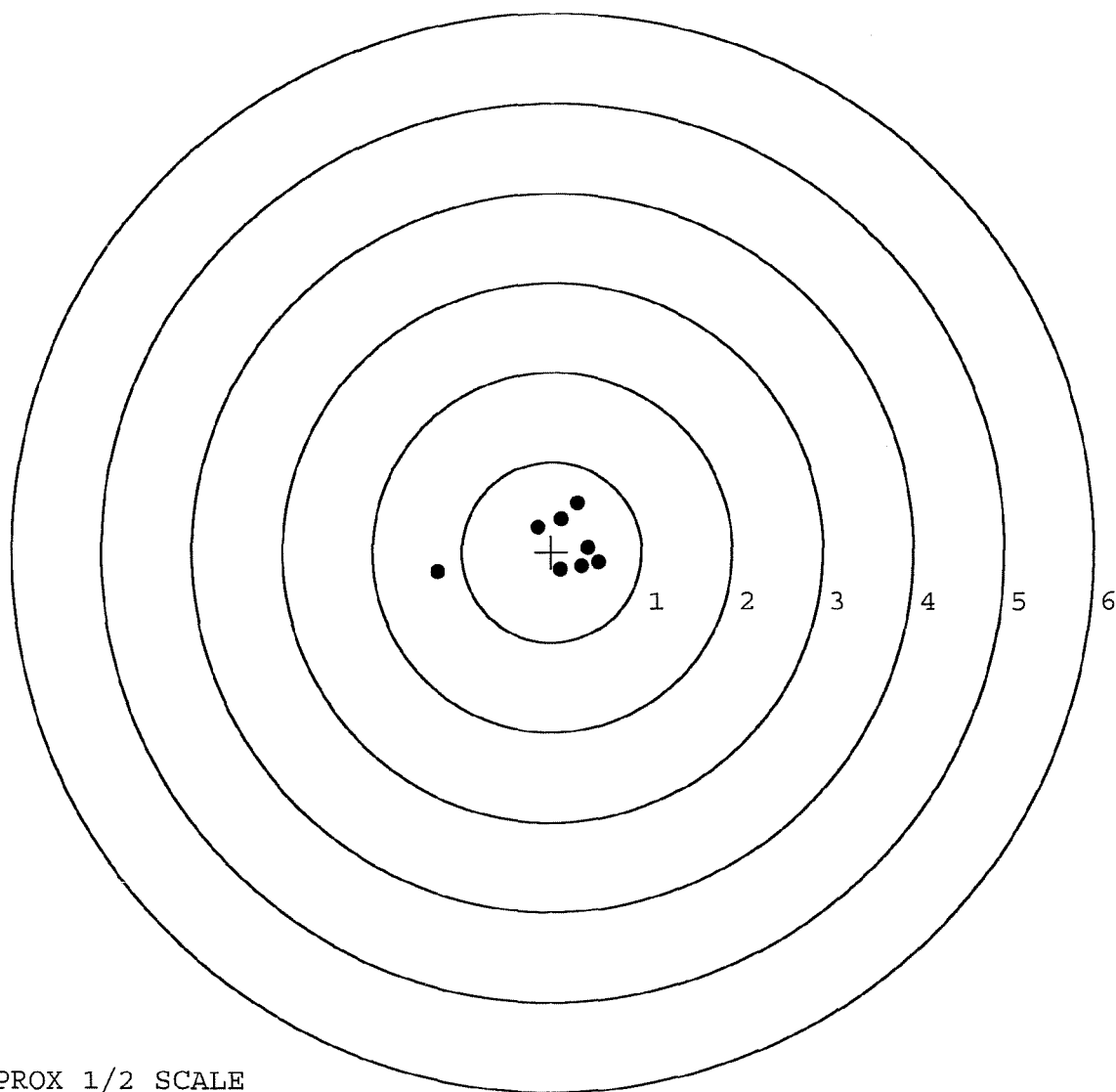
MAX RADIUS: 1.349

MEAN RADIUS: 0.501

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

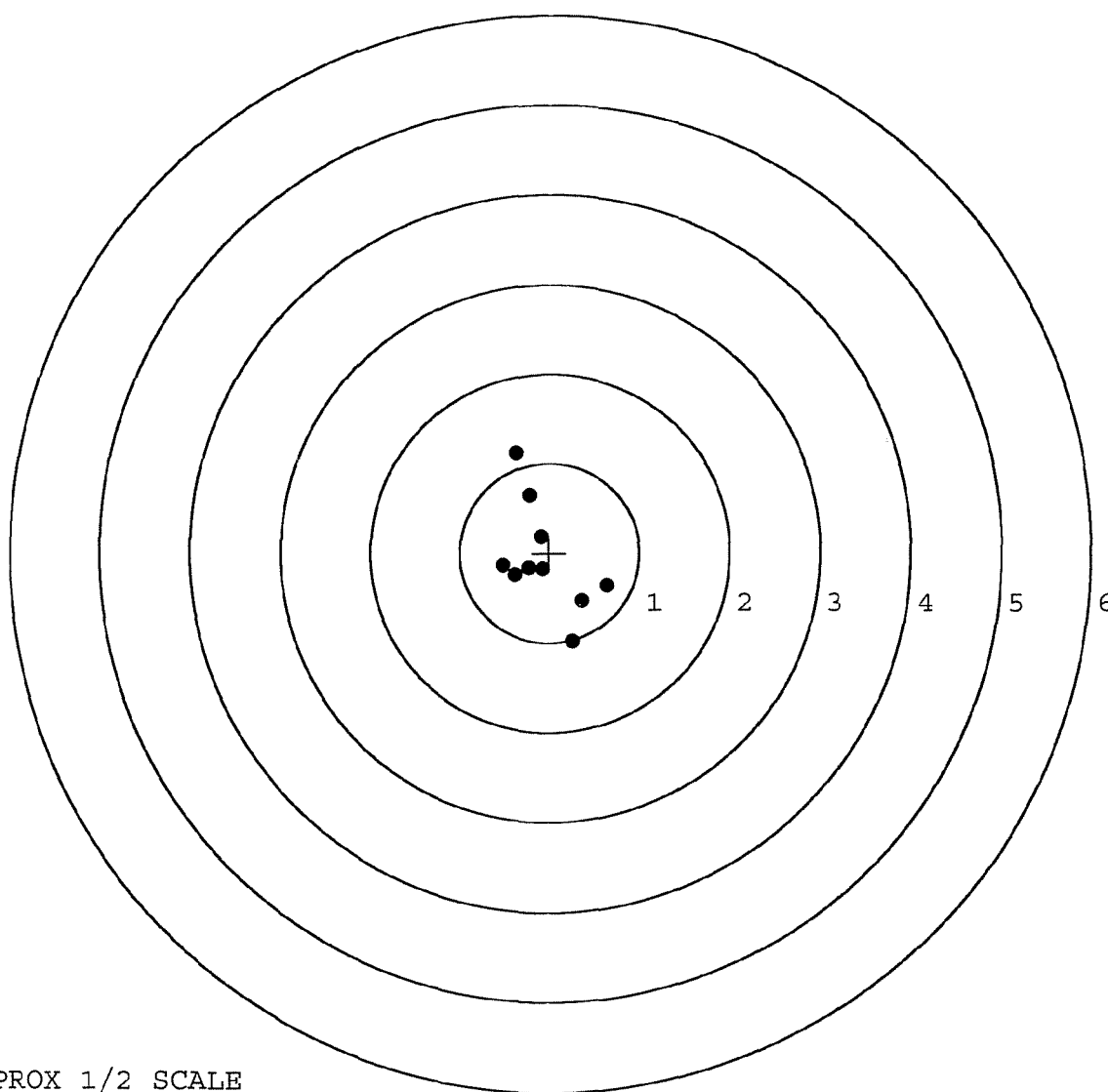


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225318.____0
 TARGET NUMBER: 3
 FILE DATE: 08/01/2002
 FILE TIME: 22:16

POINT#	X	Y
1:	0.265	-0.992
2:	0.366	-0.539
3:	0.646	-0.362
4:	-0.075	-0.183
5:	-0.227	-0.171
6:	-0.383	-0.242
7:	-0.519	-0.136
8:	-0.091	0.183
9:	-0.223	0.645
10:	-0.377	1.112

X CENTROID: -0.062
 Y CENTROID: -0.068
 POA TO CENTROID: 0.092
 HORZ SPREAD: 1.165
 VERT SPREAD: 2.104
 GROUP SPREAD: 2.200
 MIN RADIUS: 0.115
 MAX RADIUS: 1.222
 MEAN RADIUS: 0.573
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



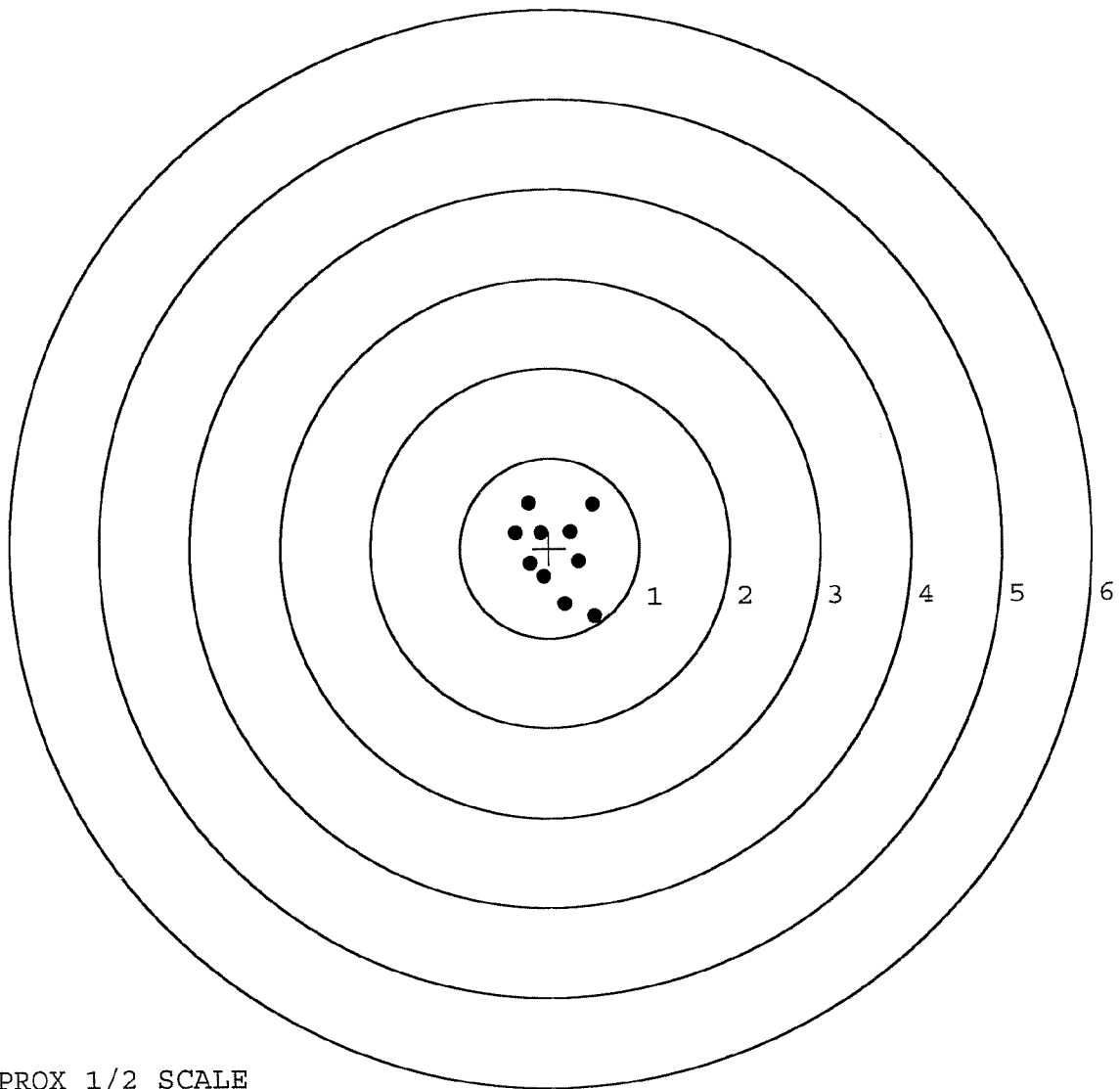
TARGET APPROX 1/2 SCALE

BARBER - M24 0012662

SERIAL NUMBER: C6225318. __0
 TARGET NUMBER: 4
 FILE DATE: 08/01/2002
 FILE TIME: 22:16

X CENTROID: 0.073
 Y CENTROID: -0.050
 POA TO CENTROID: 0.088
 HORZ SPREAD: 0.873
 VERT SPREAD: 1.262
 GROUP SPREAD: 1.455
 MIN RADIUS: 0.273
 MAX RADIUS: 0.827
 MEAN RADIUS: 0.467
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.495	-0.761
2:	0.171	-0.624
3:	0.326	-0.152
4:	-0.061	-0.316
5:	-0.218	-0.167
6:	-0.378	0.179
7:	-0.095	0.177
8:	-0.229	0.501
9:	0.483	0.481
10:	0.238	0.186



TARGET APPROX 1/2 SCALE

BARBER - M24 0012663

SERIAL NUMBER: C6225318. __0

TARGET NUMBER: 5

FILE DATE: 08/01/2002

FILE TIME: 22:16

POINT#	X	Y
1:	-0.098	-0.750
2:	-0.075	-0.549
3:	-0.295	-0.501
4:	-0.436	0.040
5:	0.009	0.243
6:	0.511	0.117
7:	0.384	0.095
8:	0.264	-0.136
9:	0.142	0.149
10:	-0.079	-0.133

X CENTROID: 0.033

Y CENTROID: -0.142

POA TO CENTROID: 0.146

HORZ SPREAD: 0.947

VERT SPREAD: 0.993

GROUP SPREAD: 1.060

MIN RADIUS: 0.112

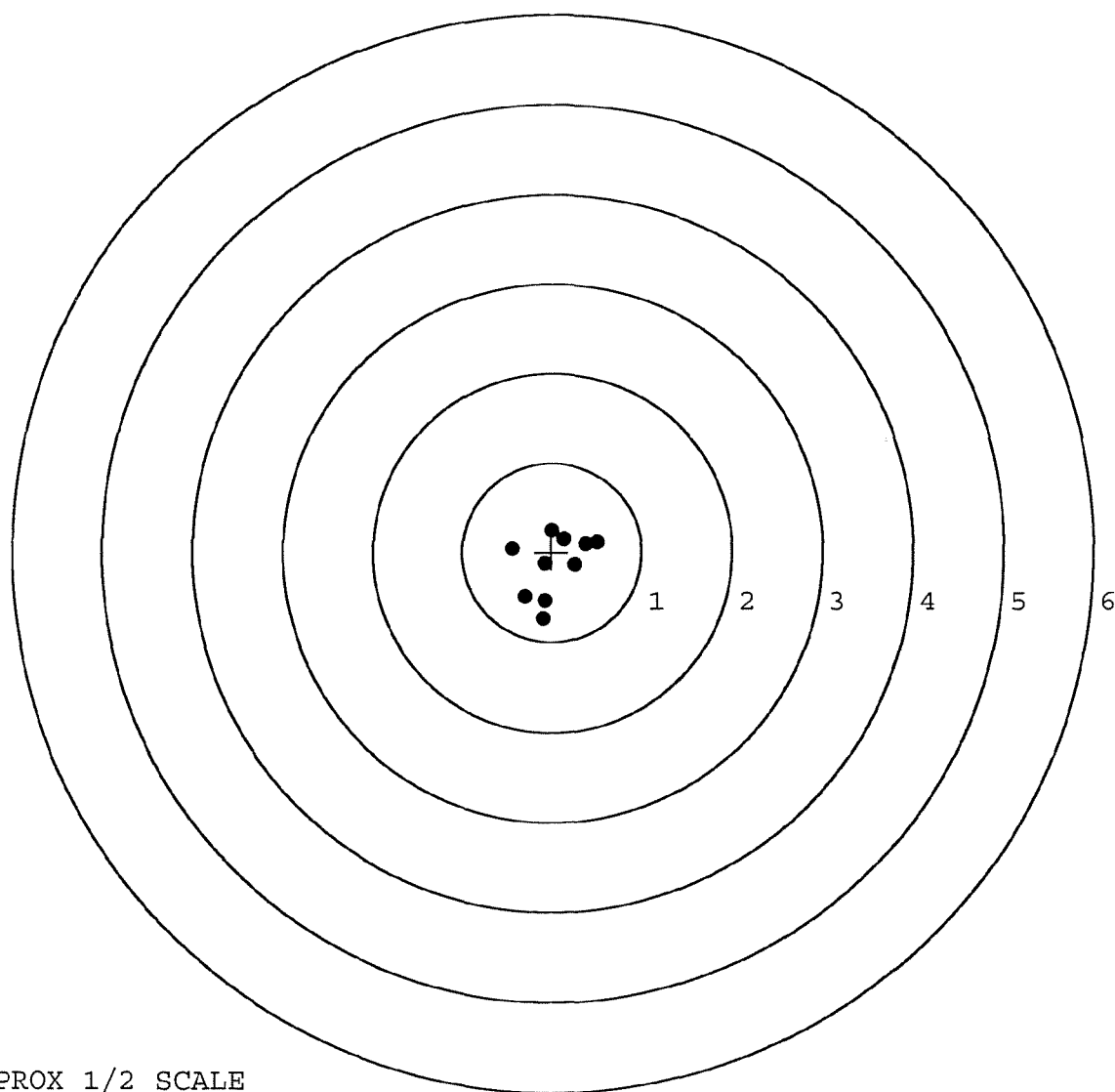
MAX RADIUS: 0.621

MEAN RADIUS: 0.404

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

In: C622538

DATE REC'D: 7/12/02

DATE RET'D: 8/1/02

EDITOR: R

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
- ☒ Spring Swivel Studs
- ☒ ADJUSTABLE BUTT PLATE
- ☒ Lock Nuts
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☒ Scope Case
- ☒ Iron SIGHTS
- ☒ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET
- ☐

Comments: _____

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

R & E NUMBER	49182		
SERIAL NUMBER	C6225318		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/15/02	RL
560 A	RE-BARREL	7/15/02	OA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA-FLUX INSPECTED	
615	ROLLMARK CALIBER	JUL 23 2002 7/23/02	TUD
618	ROTO-BLAST	7/25/02	KO
620	APPLY COATINGS	7-26	TA
625 A	FINAL ASSEMBLY	7/30/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7-31-02	RW
655	FINAL INSPECT	8-1-02	RL
660	PACK	8-1-02	OA
		SHIP DATE	
QAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225318

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/15/89	GS.
617	Drill and Tap Sight Holes	4 14	89	LB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4/19/89	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/4/89	RW
	C) Inspect Ejector Hole for Chamfer		5/4/89	RW
	D) Oil Firing Pin Ass'y		5/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/9/89	WB

op. #	BARBER MEM24 0012667	READINGS				DATE	INIT
625 cont.	F) Safety On Force	5	5	5		5/9/89	JL
	G) Safety Off Force	3	3	3		5/9/89	JL
	H) Trigger Pull Test & Retainability					5/9/89	WB
	I) Firing Pin Indent	.020	.021	.020		5/9/89	JL
	J) Assemble Stock					5/10/89	RW
	K) Assemble Swivel Studs					15 May 89	JD
	L) Attach Front and Rear Sight Assemblies					5/10/89	RW
	M) Iron Sight Alignment					5/10/89	RW
	N) Detach Front & Rear Sights & place in numbered container					5/10/89	RW
	O) Attach Scope to Rifle					5/10/89	JL
	P) Detach & Attach Scope 20 Times					5/10/89	JL
640	Gallery Target & Test	54 R	98 L			5/11/89	DA
	A) Time					5/11/89	DA
	B) Malfunctions					5/11/89	DA
	C) Pierced Primers					5/11/89	DA
	D) Optical Clarity of Scope					5/11/89	DA
645	Inspect for Live Ammo					5/11/89	DA
655	Final Inspection						
	A) Headspace					15 May 89	JD
	B) Trigger Pull	2.71	2.71	2.74	2.78	2.79	15 May 89
	C) Function					15 May 89	JD
660	Pack					21 June 89	JD

5318

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. _____

DATE 4-3-90TESTER 211

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.37		2.37	MIN. SETTING,
PULL #2	2.52	2.33		2.36	NO AVG. OF 5
PULL #3	2.47	2.34		2.36	READINGS ACCEPT-
PULL #4	2.39	2.38		2.35	ABLE LESS THAN 2#
PULL #5	2.43	2.31		2.38	
TOTAL	12.35	11.73		11.82	
AVG.	2.47	2.346		2.364	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.36		
PULL #2	3.45	3.22		
PULL #3	3.35	3.29		
PULL #4	3.34	3.30		
PULL #5	3.28	3.37		
TOTAL	16.79	16.54		
AVG.	3.358	3.308		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.55		
PULL #2	4.18	4.50		
PULL #3	4.39	4.49		
PULL #4	4.16	4.23		
PULL #5	4.25	4.49		
TOTAL	21.21	22.26		
AVG.	4.242	4.452		

F7

Campbell
Quin

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225318
15 May 1989

CENTROIDAL DISTANCES

0 TO	1	.33568
1 TO	2	.420076
1 TO	3	.724572
1 TO	4	.545809
1 TO	5	.249209

4
5 2 <----POA
3

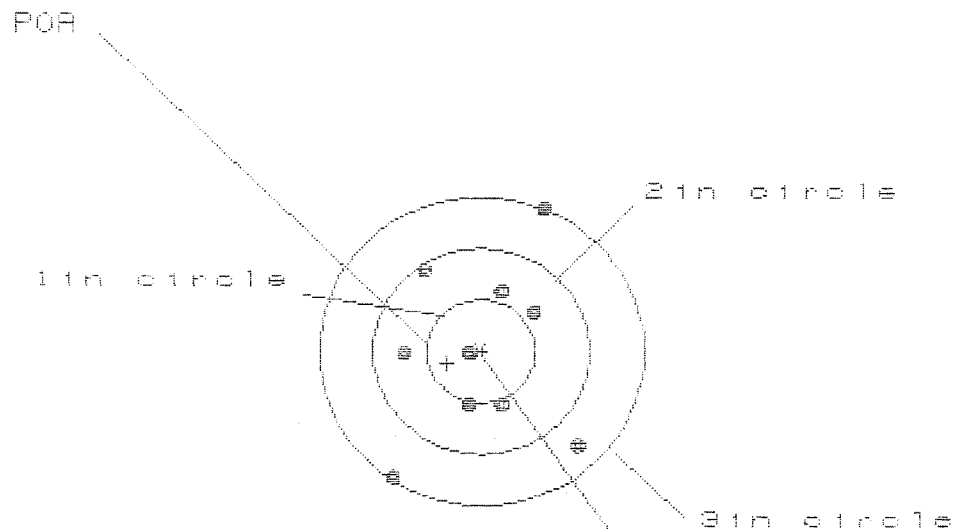
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1898
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .042
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .194391

THE AMR FOR THIS RIFLE IS: .8762

11 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08225318

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 1.774

VS= 2.685

GS= 3.036

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.934	.996	.981
MINIMUM X	-.840	-.776	-.721
MAXIMUM Y	1.423	.987	.849
MINIMUM Y	-1.262	-1.104	-.983
CENTROID X	.315	.251	.348
CENTROID Y	.116	-.042	.096
POA TO CENTROID in.	.336	.254	.361
MIN RADIUS	.155	.184	.189
MEAN RADIUS	.847	.760	.680
MAX RADIUS	1.536	1.349	1.276
HORIZONTAL SPREAD	1.774	1.774	1.622
VERTICAL SPREAD	2.685	2.091	1.752
EXTREME SPREAD	3.036	2.275	2.275
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

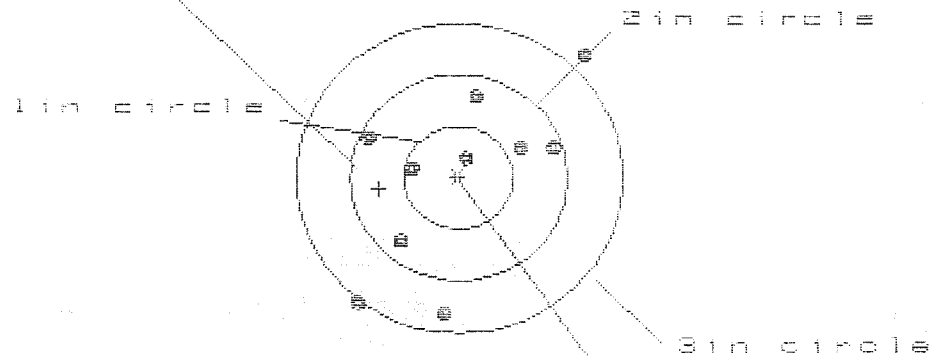
11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CS225318

CENTERFIRE PATTERNS

2

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.151

VS= 2.441

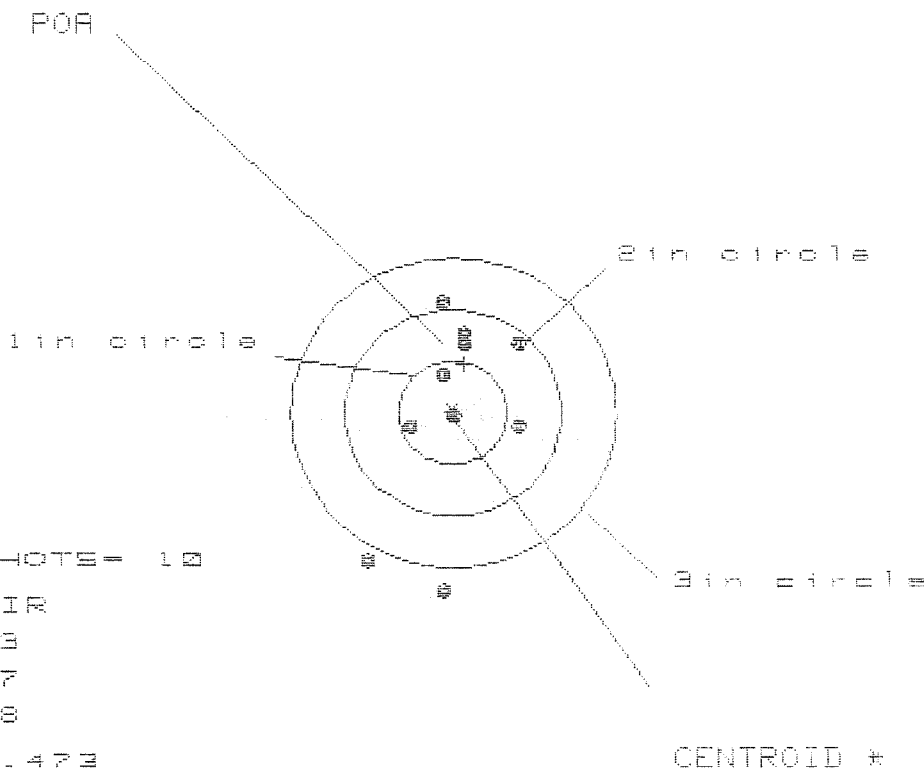
GS= 3.201

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.209
MINIMUM X	:	-.942
MAXIMUM Y	:	1.142
MINIMUM Y	:	-1.299
CENTROID X	:	.735
CENTROID Y	:	.108
POA TO CENTROID in.	:	.743
MIN RADIUS	:	.184
MEAN RADIUS	:	.913
MAX RADIUS	:	1.663
HORIZONTAL SPREAD	:	2.151
VERTICAL SPREAD	:	2.441
EXTREME SPREAD	:	3.201
NUMBER IN ONE INCH CIRCLE	=	2
NUMBER IN TWO INCH CIRCLE	=	7
NUMBER IN THREE INCH CIRCLE	=	8

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225318

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 1.473

VS = 2.820

CS = 2.820

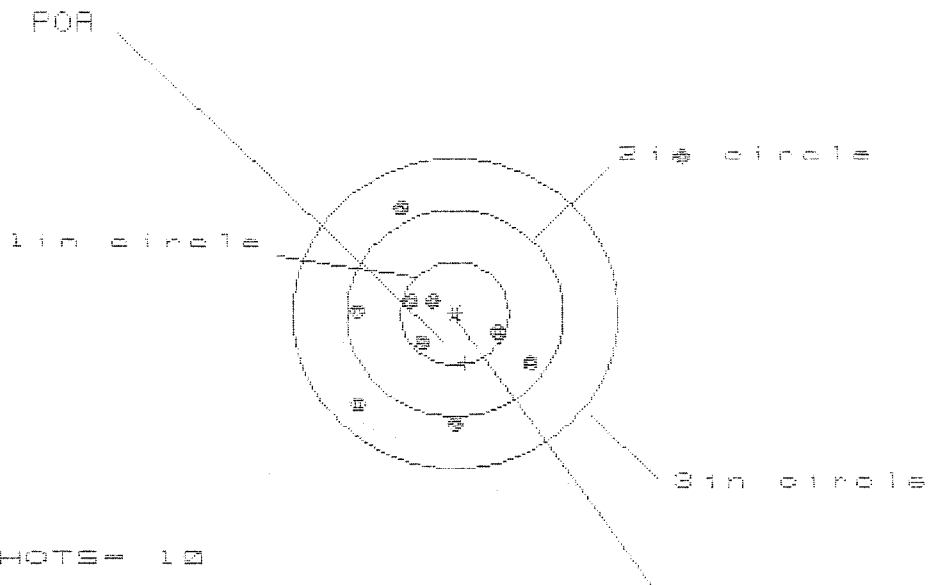
PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.639	.627	.521
MINIMUM X	:	-.834	-.846	-.472
MAXIMUM Y	:	1.070	.876	.678
MINIMUM Y	:	-1.750	-1.582	-.534
CENTROID X	:	-.107	-.095	.011
CENTROID Y	:	-.473	-.279	-.081
POA TO CENTROID in.	:	.485	.294	.082
MIN RADIUS	:	.073	.173	.184
MEAN RADIUS	:	.820	.676	.497
MAX RADIUS	:	1.753	1.794	.746
HORIZONTAL SPREAD	:	1.473	1.473	.993
VERTICAL SPREAD	:	2.820	2.458	1.212
EXTREME SPREAD	:	2.820	2.568	1.414
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	8		

11 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06225310

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS = 0.049

VS = 2.674

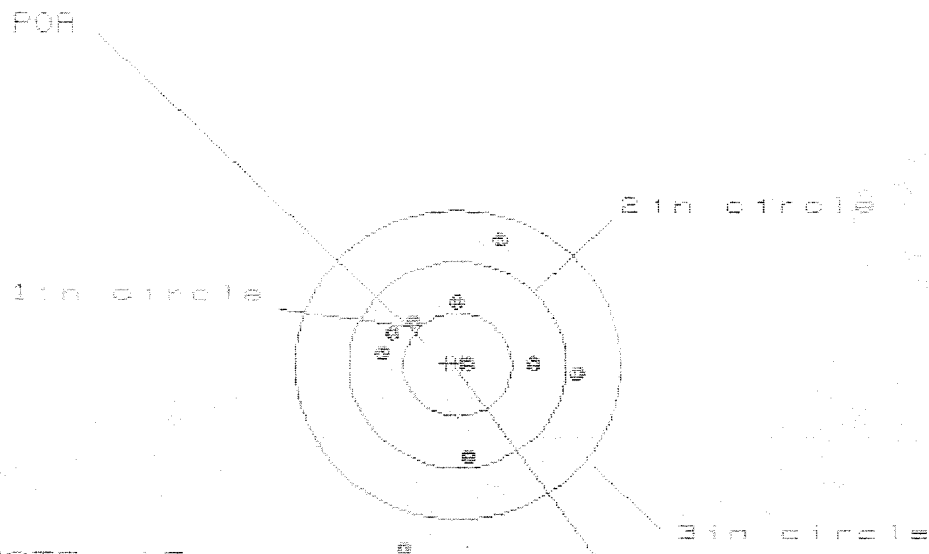
GS = 0.022

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.121	.935	.849
MINIMUM X	-.922	-.687	-.770
MAXIMUM Y	1.564	1.164	1.071
MINIMUM Y	-1.110	-.936	-1.028
CENTROID X	-.097	-.332	-.246
CENTROID Y	.474	.300	.392
POA TO CENTROID in.	.484	.448	.463
MIN RADIUS	.211	.128	.193
MEAN RADIUS	.945	.705	.660
MAX RADIUS	2.635	1.195	1.130
HORIZONTAL SPREAD	3.043	1.622	1.620
VERTICAL SPREAD	2.674	2.100	2.100
EXTREME SPREAD	3.922	2.161	2.161
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CS225318

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS= 1.809

VS= 2.932

GS= 3.066

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.087
MINIMUM X	-0.722
MAXIMUM Y	1.174
MINIMUM Y	-1.758
CENTROID X	.103
CENTROID Y	-.015
POR TO CENTROID in.	.104
MIN RADIUS	.086
MEAN RADIUS	.056
MAX RADIUS	1.831
HORIZONTAL SPREAD	1.809
VERTICAL SPREAD	2.932
EXTREME SPREAD	3.066
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	8