

05225433

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

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: **RE00036057** Serial: C6225433 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOGS 2 of 8 Repairman: Status: New 11/26/01 12:13:51 PM

Verify Repair **High Priority**

Address Information

Customer: Received From Return To: Received From

Name: CDR A CO 1ST BN 3RD SFG A CDR A CO 1ST BN 3RD SFG A

Address 1: BLDG E1646 BLDG E1646

Address 2: PO Box: PO Box:

City: FORT BRAGG FORT BRAGG

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

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: 910 432 2369 8084

Fax:

Email:

Comments:

Received Condition

Condition: Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A009	Soft Case(WOG)	1
A017	Scope Base	1

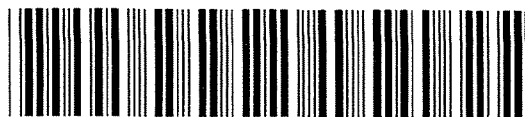
Repair Search Refresh Close

nagletj 11/26/01 1:33 PM CAPS NUM INS SCRL

Start Inbox Arms Thom Part S Score Calen Israel 1:33 PM

Serial Number: **C6225433**

Model: **700**



RE00036057

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225433.___0
FILE DATE AND TIME: 12/04/2001 03:31

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.028
The Average Y Centroid of the Five Target Set:	-0.008
The Average Point of Impact of the Five Target Set:	0.029
The Average Mean Radius of the Five Target Set:	0.875
The Distance from POA to Centroid Target #1:	0.447
The Distance from Centroid Target #2 to Centroid Target #1:	0.687
The Distance from Centroid Target #3 to Centroid Target #1:	0.766
The Distance from Centroid Target #4 to Centroid Target #1:	0.584
The Distance from Centroid Target #5 to Centroid Target #1:	0.466

SERIAL NUMBER: C6225433. __0

TARGET NUMBER: 1

FILE DATE: 12/04/2001

FILE TIME: 03:31

POINT#	X	Y
1:	-0.687	1.231
2:	-0.862	0.711
3:	0.268	2.080
4:	0.193	0.492
5:	0.107	0.373
6:	0.526	-0.130
7:	0.184	-0.143
8:	-0.064	-0.280
9:	0.902	-0.906
10:	2.033	0.212

X CENTROID: 0.260

Y CENTROID: 0.364

POA TO CENTROID: 0.447

HORZ SPREAD: 2.895

VERT SPREAD: 2.986

GROUP SPREAD: 2.938

MIN RADIUS: 0.144

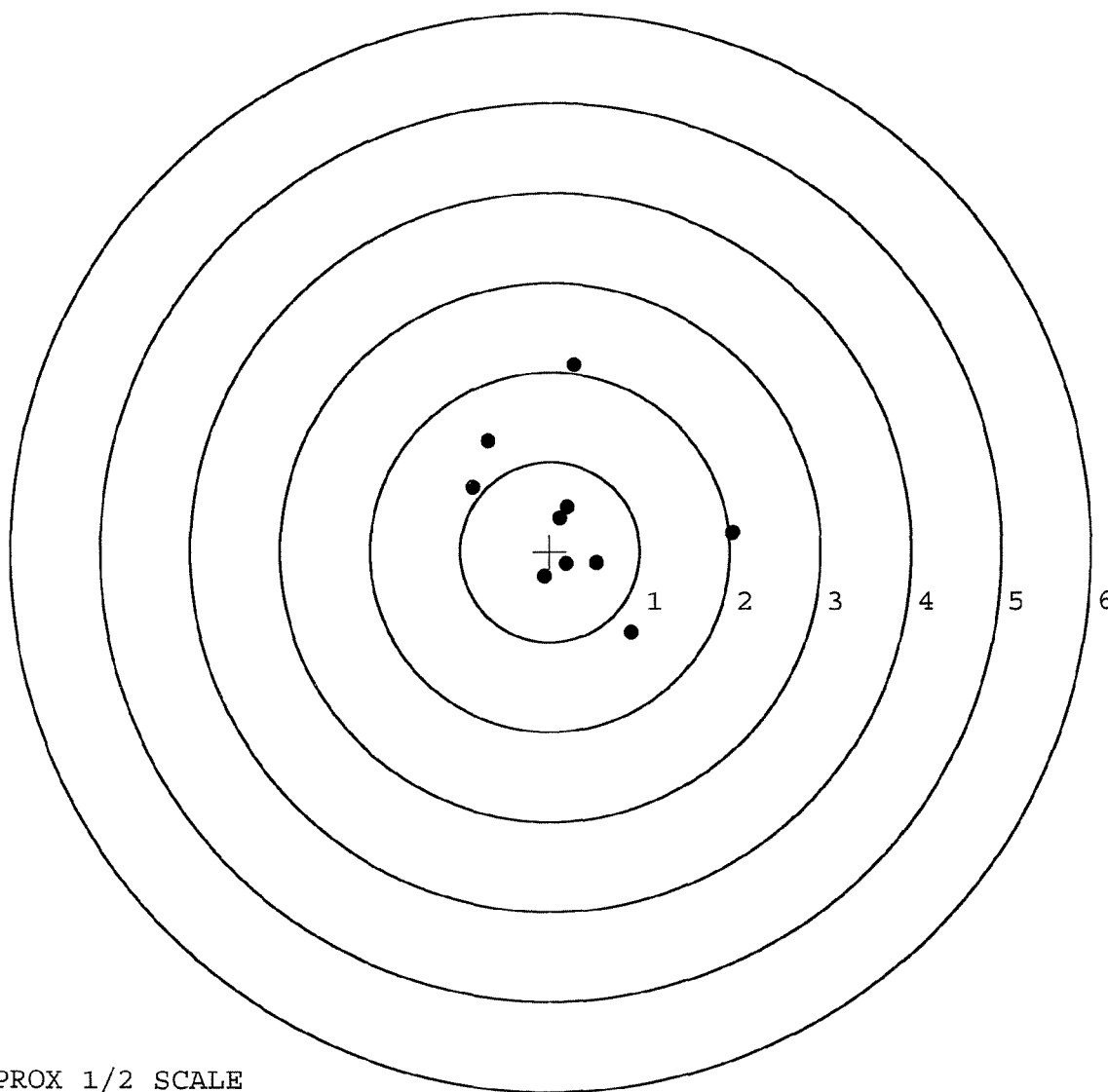
MAX RADIUS: 1.780

MEAN RADIUS: 0.947

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225433. __0

TARGET NUMBER: 2

FILE DATE: 12/04/2001

FILE TIME: 03:31

POINT#	X	Y
1:	0.261	0.731
2:	0.044	0.257
3:	0.928	-0.064
4:	0.878	-0.415
5:	0.409	-0.384
6:	-0.811	0.842
7:	-0.651	0.130
8:	-1.777	-0.336
9:	-0.919	-0.980
10:	-0.696	-0.928

X CENTROID: -0.233

Y CENTROID: -0.115

POA TO CENTROID: 0.260

HORZ SPREAD: 2.705

VERT SPREAD: 1.822

GROUP SPREAD: 2.719

MIN RADIUS: 0.464

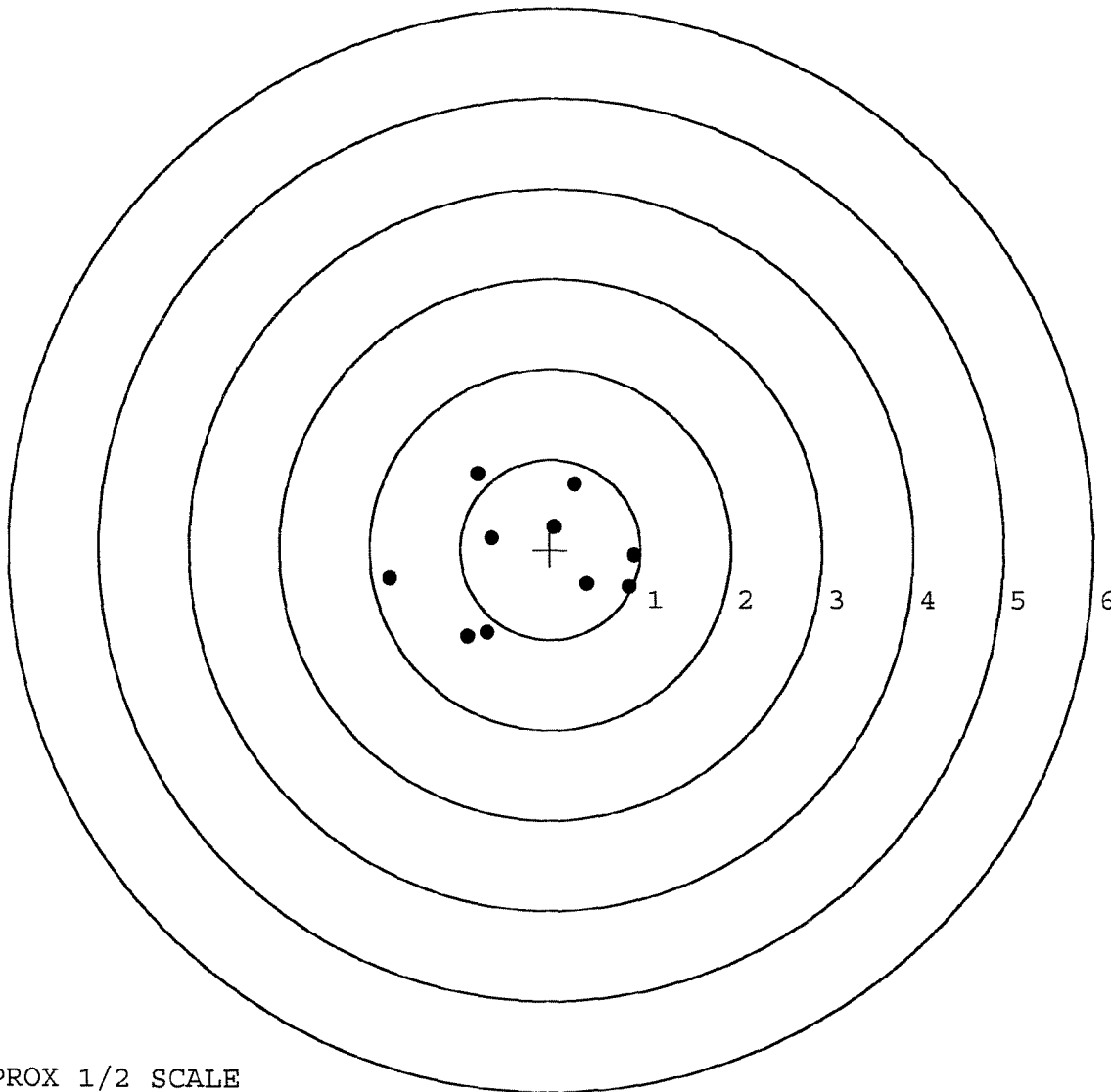
MAX RADIUS: 1.559

MEAN RADIUS: 0.965

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

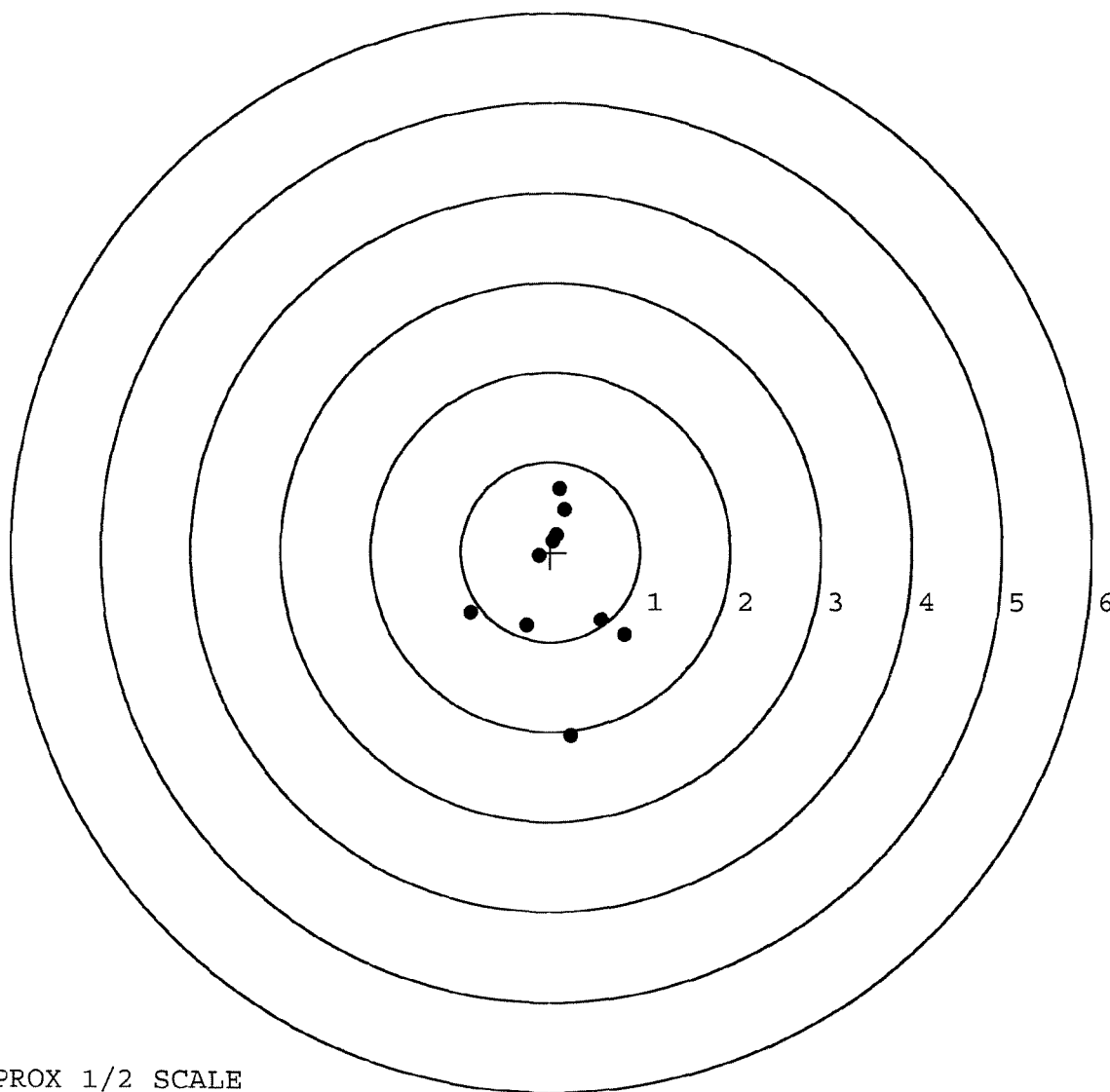


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225433. __0
 TARGET NUMBER: 3
 FILE DATE: 12/04/2001
 FILE TIME: 03:31

POINT#	X	Y
1:	0.833	-0.926
2:	0.571	-0.760
3:	0.240	-2.052
4:	-0.263	-0.822
5:	-0.887	-0.675
6:	0.103	0.702
7:	0.155	0.473
8:	0.072	0.191
9:	-0.127	-0.042
10:	0.030	0.125

X CENTROID: 0.073
 Y CENTROID: -0.379
 POA TO CENTROID: 0.386
 HORZ SPREAD: 1.720
 VERT SPREAD: 2.754
 GROUP SPREAD: 2.757
 MIN RADIUS: 0.391
 MAX RADIUS: 1.682
 MEAN RADIUS: 0.821
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



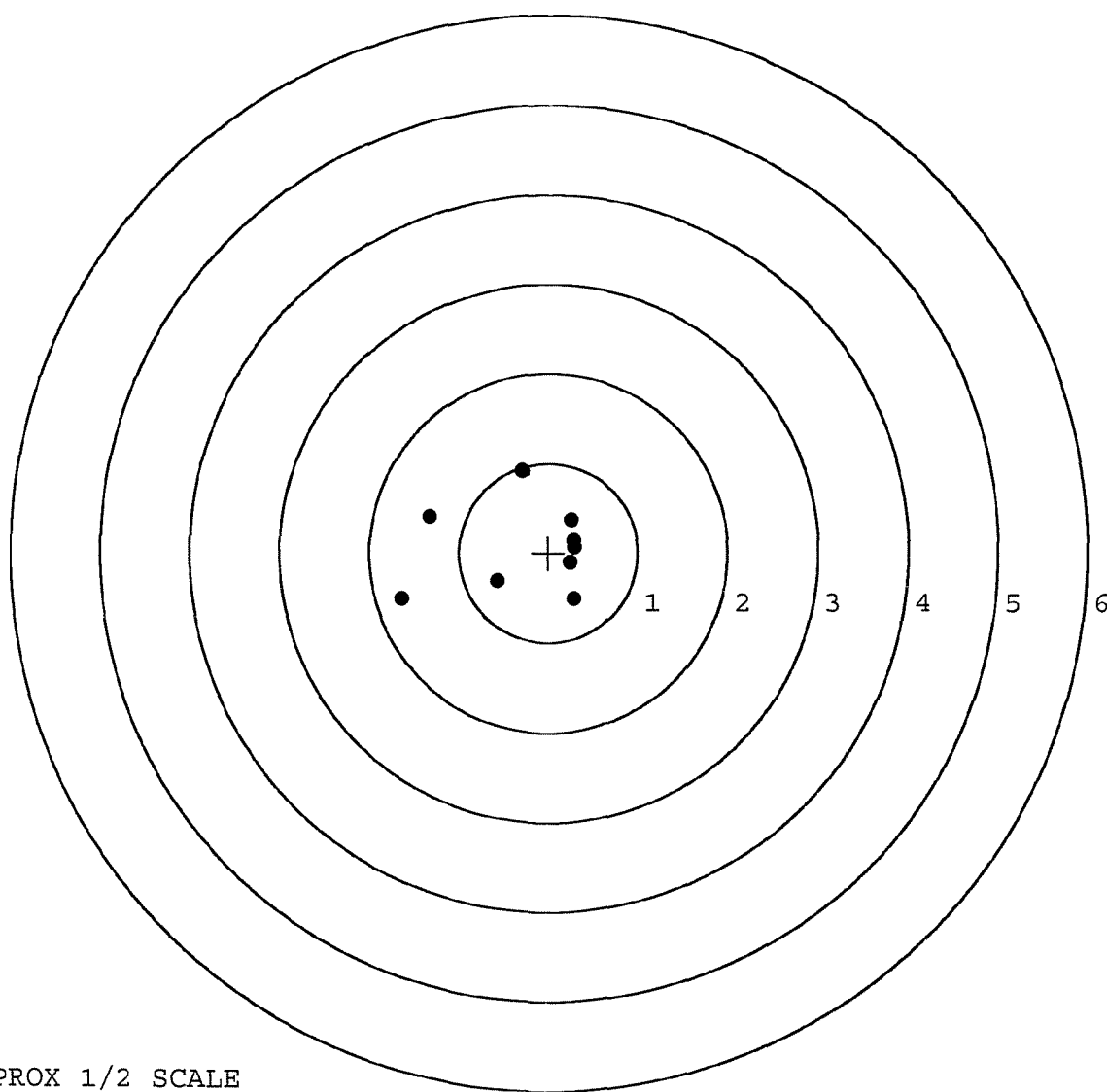
TARGET APPROX 1/2 SCALE

BARBER - M24 0060687

SERIAL NUMBER: C6225433. __0
 TARGET NUMBER: 4
 FILE DATE: 12/04/2001
 FILE TIME: 03:31

POINT#	X	Y
1:	-0.297	0.910
2:	-0.298	0.916
3:	-1.330	0.394
4:	-1.639	-0.526
5:	-0.573	-0.322
6:	0.258	0.370
7:	0.292	0.134
8:	0.289	-0.516
9:	0.249	-0.109
10:	0.296	0.063

X CENTROID: -0.275
 Y CENTROID: 0.131
 POA TO CENTROID: 0.305
 HORZ SPREAD: 1.935
 VERT SPREAD: 1.442
 GROUP SPREAD: 2.098
 MIN RADIUS: 0.542
 MAX RADIUS: 1.514
 MEAN RADIUS: 0.787
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225433. __0

TARGET NUMBER: 5

FILE DATE: 12/04/2001

FILE TIME: 03:31

POINT#	X	Y
1:	0.915	1.153
2:	0.255	0.530
3:	-0.006	0.501
4:	-0.888	0.568
5:	-1.272	0.145
6:	1.011	-0.203
7:	0.309	-0.277
8:	-0.275	-0.315
9:	-0.222	-0.927
10:	0.282	-0.831
11:	0.282	-0.831

X CENTROID: 0.036

Y CENTROID: -0.044

POA TO CENTROID: 0.057

HORZ SPREAD: 2.283

VERT SPREAD: 2.080

GROUP SPREAD: 2.408

MIN RADIUS: 0.359

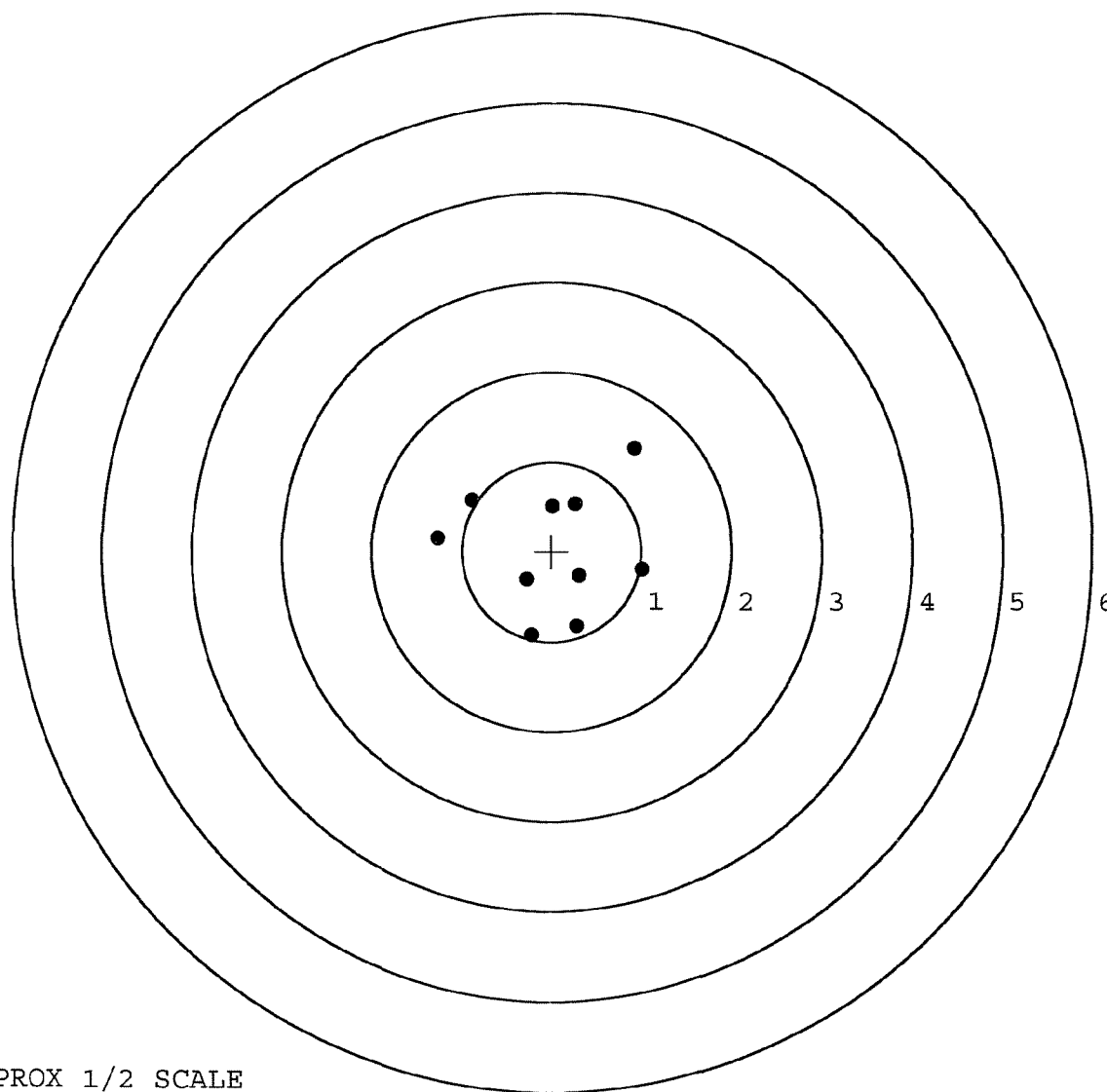
MAX RADIUS: 1.486

MEAN RADIUS: 0.855

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 11



TARGET APPROX 1/2 SCALE

MOD. _____ GA. CAL. _____ GUN # 06275433

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	(Defect) hole in scope ring	OW
	2nd		
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

Remington®

MODEL 700™ H24

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

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

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

SERIAL NO.
C6225433

ORDER NO.
5716

UPC

0 47700 25716 7

5716 C6225433

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225433

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	1 25	89	RW
600	Proof	1 25	89	RW
607	Check Headspace	1 25	89	RW
610	Dis-assemble Gun	1 25	89	RW
612	Magnaflux Barrel Action		1-27-89	AK.
	Magnaflux Bolt		1-27-89	KCR
615	Rollmark Caliber		1-30-89	GS
617	Drill and Tap Sight Holes	2 1	89	FB
618	Polish Barrel	2 1	89	BT
620	Apply Coatings (Barrel Action)		2-10-89	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/27/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/27/89	RW
	C) Inspect Ejector Hole for Chamfer		2/27/89	RW
	D) Oil Firing Pin Ass'y		2/27/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/27/89	WLB

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	6 3/4	6 3/4	6 1/2			3/1/89	WB
	G) Safety Off Force	2 1/2	2 3/4	2 3/4			3/1/89	WB
	H) Trigger Pull Test & Retainability						4/8/89	WB
	I) Firing Pin Indent	.020	.0205	.0205			3/1/89	WB
	J) Assemble Stock						3/2/89	RW
	K) Assemble Swivel Studs						7/1/89	JS
	L) Attach Front and Rear Sight Assemblies						3/2/89	RW
	M) Iron Sight Alignment						3/2/89	RW
	N) Detach Front & Rear Sights & place in numbered container						3/2/89	RW
	O) Attach Scope to Rifle						3/7/89	WB
	P) Detach & Attach Scope 20 Times						3/2/89	WB
640	Gallery Target & Test	682	85L				3-3-89	AC
	A) Time						"	AC
	B) Malfunctions				NONE		"	AC
	C) Pierced Primers				NONE		"	AC
	D) Optical Clarity of Scope				OK		"	AC
645	Inspect for Live Ammo				NONE		3-3-89	AC
655	Final Inspection							
	A) Headspace						7/1/89	JS
	B) Trigger Pull	2.52	2.41	2.37	2.46	2.41	7/1/89	JS
	C) Function						7/1/89	JS
660	Pack						2/2/89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5433DATE 7/28/89TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.75	2.20	2.29	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.17	2.32	2.41	
PULL #3	2.17	2.20	2.30	2.37	
PULL #4	2.12	2.05	2.30	2.46	
PULL #5	2.14	2.18	2.28	2.41	
TOTAL	11.12	10.80	11.49	12.17	
AVG.	2.22	2.20	2.298	2.434	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.20		
PULL #2	3.17	3.22		
PULL #3	3.22	3.19		
PULL #4	3.22	3.21		
PULL #5	3.21	3.21		
TOTAL	16.02	16.03		
AVG.	3.204	3.206		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.11		4.21
PULL #2	4.17	4.13		4.18
PULL #3	4.24	4.19		4.15
PULL #4	4.24	4.14		4.20
PULL #5	4.28	4.19		4.18
TOTAL	21.12	20.76		20.92
AVG.	4.22	4.15		4.184

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225433
6 Mar 1989

CENTROIDAL DISTANCES

```
0 TO 1 .681364
1 TO 2 .538271
1 TO 3 .720385
1 TO 4 1.02929
1 TO 5 .680697
```

$\frac{3}{4} \frac{1}{2} + \text{-----POA}$

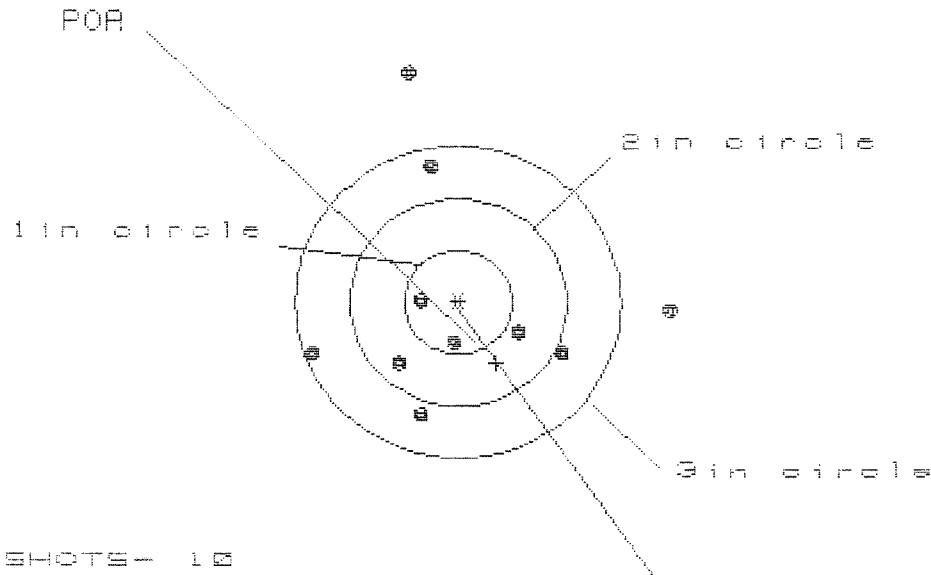
```
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.7704
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .124
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .002304
THE ANR FOR THIS RIFLE IS: .9776
```


3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225433

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.339

VS= 3.295

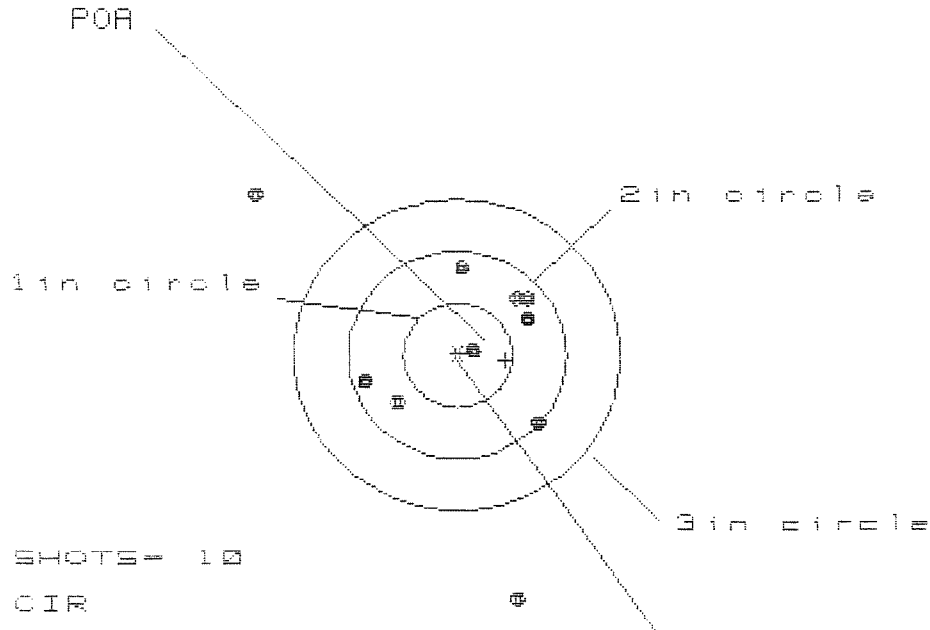
GS= 3.371

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.976	1.921	1.893
MINIMUM X	-1.363	-1.418	-1.178
MAXIMUM Y	2.172	1.522	1.538
MINIMUM Y	-1.123	-1.882	-1.866
CENTROID X	-1.351	-1.296	-1.536
CENTROID Y	.584	.343	.327
POA TO CENTROID in.	.682	.453	.628
MIN RADIUS	.373	.158	.213
MEAN RADIUS	1.131	.953	.867
MAX RADIUS	2.228	1.925	1.541
HORIZONTAL SPREAD	3.339	3.339	2.271
VERTICAL SPREAD	3.295	2.404	2.404
EXTREME SPREAD	3.371	3.358	2.405
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225433

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 8

3 in = 8

HS= 2.566

VS= 3.888

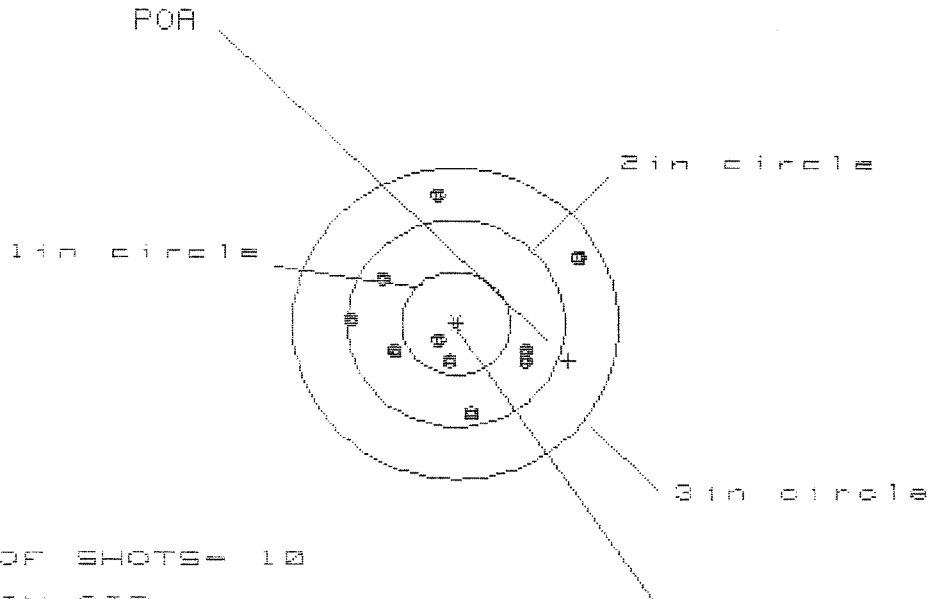
GS= 4.564

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.714	.774	.550
MINIMUM X	:	-1.852	-1.792	-1.011
MAXIMUM Y	:	1.530	1.268	.718
MINIMUM Y	:	-2.358	-.933	-.774
CENTROID X	:	-.445	-.505	-.281
CENTROID Y	:	.054	.316	.158
POA TO CENTROID in.	:	.448	.596	.322
MIN RADIUS	:	.104	.307	.118
MEAN RADIUS	:	1.063	.911	.687
MAX RADIUS	:	2.419	2.195	1.062
HORIZONTAL SPREAD	:	2.566	2.566	1.561
VERTICAL SPREAD	:	3.888	2.201	1.493
EXTREME SPREAD	:	4.564	3.381	1.645
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225433

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 2.120

VS= 2.168

GS= 2.208

CENTROID *

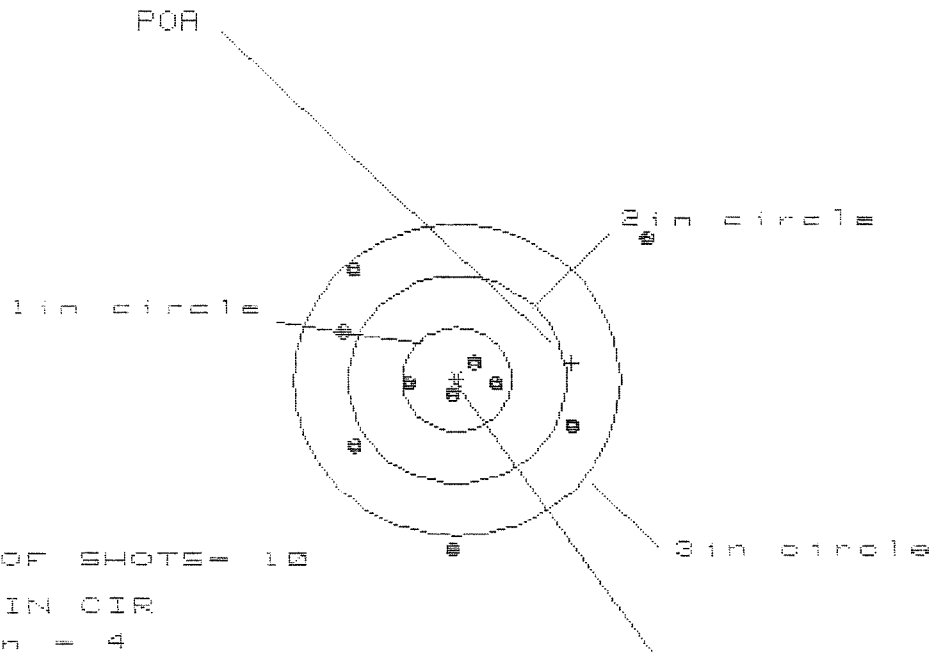
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.173	.789	.784
MINIMUM X	:	-.947	-.816	-.821
MAXIMUM Y	:	1.281	1.350	.657
MINIMUM Y	:	-.887	-.818	-.649
CENTROID X	:	-1.036	-1.167	-1.162
CENTROID Y	:	.361	.292	.123
POA TO CENTROID in.	:	1.098	1.203	1.169
MIN RADIUS	:	.237	.107	.077
MEAN RADIUS	:	.798	.702	.582
MAX RADIUS	:	1.330	1.351	.879
HORIZONTAL SPREAD	:	2.120	1.605	1.605
VERTICAL SPREAD	:	2.168	2.168	1.366
EXTREME SPREAD	:	2.208	2.196	1.633
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225433

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 4

3 in = 8

HE = 2.738

VS = 3.067

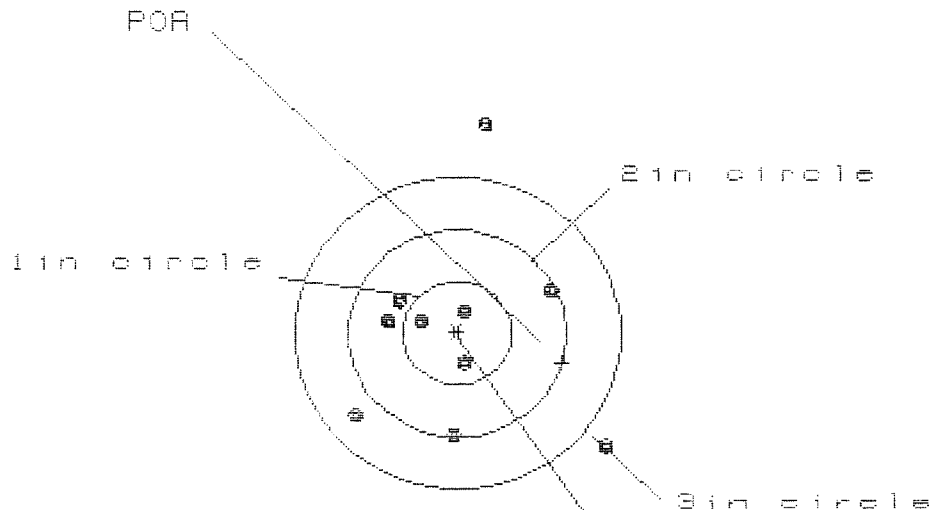
GS = 3.514

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.721	1.286	1.311
MINIMUM X	:	-1.017	-.826	-.801
MAXIMUM Y	:	1.389	1.170	.979
MINIMUM Y	:	-1.678	-1.523	-.764
CENTROID X	:	-1.057	-1.248	-1.273
CENTROID Y	:	-.165	-.320	-.129
POA TO CENTROID in.	:	1.070	1.289	1.280
MIN RADIUS	:	.177	.200	.258
MEAN RADIUS	:	.997	.859	.761
MAX RADIUS	:	2.212	1.536	1.387
HORIZONTAL SPREAD	:	2.738	2.112	2.112
VERTICAL SPREAD	:	3.067	2.693	1.683
EXTREME SPREAD	:	3.514	2.842	2.458
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225433

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 2.326

VS= 3.083

GS= 3.274

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.354	1.382	1.067
MINIMUM X	:	-.972	-.944	-.771
MAXIMUM Y	:	2.026	.600	.496
MINIMUM Y	:	-1.057	-.832	-.826
CENTROID X	:	-.963	-.991	-1.164
CENTROID Y	:	.286	.061	.165
POR TO CENTROID in.	:	1.005	.993	1.175
MIN RADIUS	:	.170	.064	.266
MEAN RADIUS	:	.899	.766	.627
MAX RADIUS	:	2.041	1.613	1.176
HORIZONTAL SPREAD	:	2.326	2.326	1.838
VERTICAL SPREAD	:	3.083	1.432	1.322
EXTREME SPREAD	:	3.274	2.337	2.198
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	