

C6587569

MODEL 700™ M24

Model SMS

™

Action

Barrel Length

Capacity

Order No.

5716

*Includes 1 in chamber.



R & E NUMBER	84764		
SERIAL NUMBER	C6587569		
LOG-IN DATE	9-10-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-13-04	RTL
560 A	RE-BARREL	9-22-04	RTL
B	DRILL AND TAP	9-22-04	TRW
575	ASSEMBLE	9-22-04	RTL
600	PROOF	9-23-04	RTL
605	CHECK HEADSPACE	9-23-04	RTL
610	DIS-ASSEMBLE GUN	9-23-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	9/24/04	BS B
618	ROTO-BLAST	9/27	JW
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-4-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-5-04 9-22-04	RTL TRW
655	FINAL INSPECT	10-3-04	RTL
660	PACK	10-26-04	DA
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587569.___0

FILE DATE AND TIME: 10/05/2004 08:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

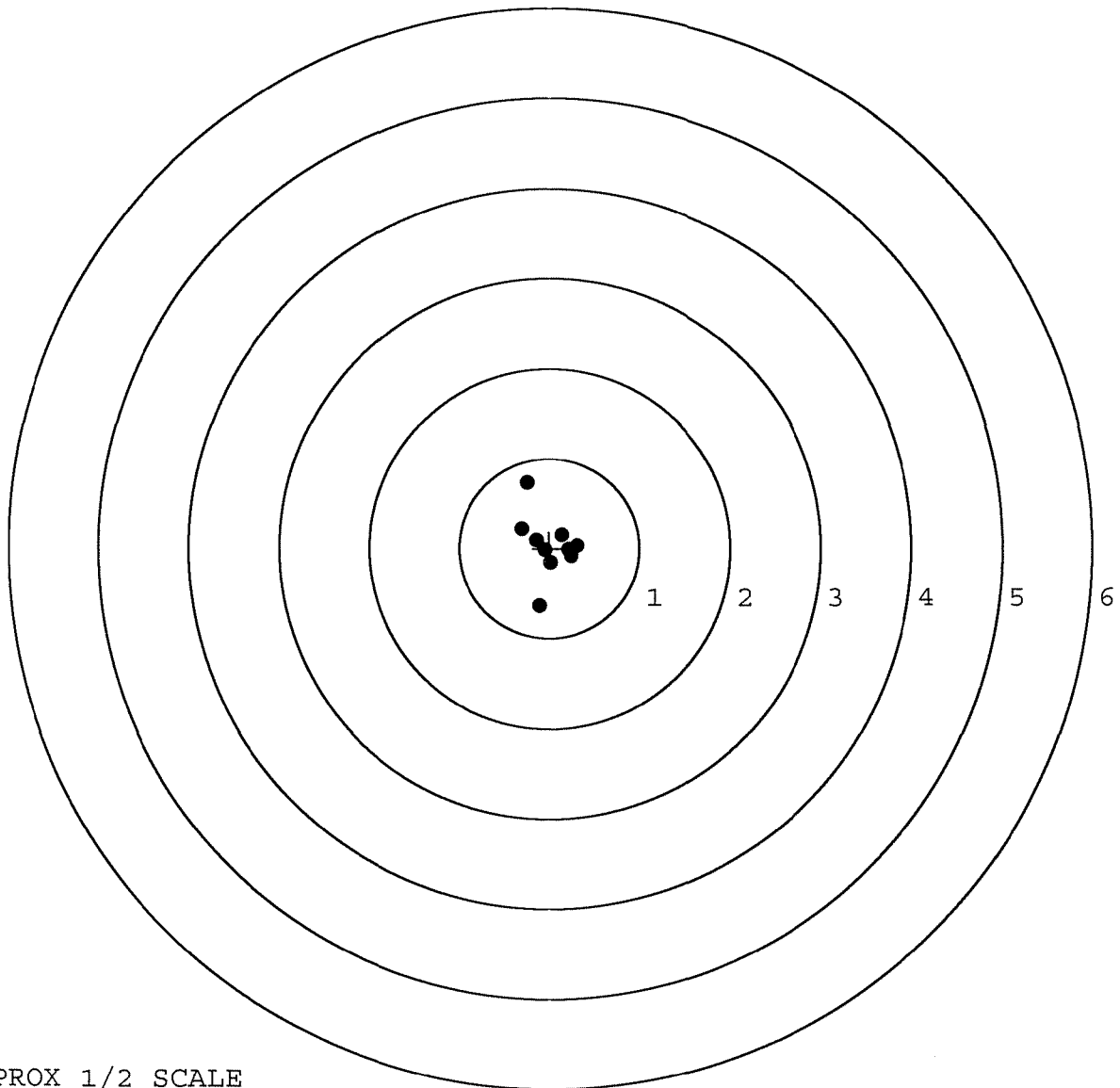
The Average X Centroid of the Five Target Set:	0.033
The Average Y Centroid of the Five Target Set:	-0.038
The Average Point of Impact of the Five Target Set:	0.051
The Average Mean Radius of the Five Target Set:	0.508
The Distance from POA to Centroid Target #1:	0.029
The Distance from Centroid Target #2 to Centroid Target #1:	0.066
The Distance from Centroid Target #3 to Centroid Target #1:	0.098
The Distance from Centroid Target #4 to Centroid Target #1:	0.150
The Distance from Centroid Target #5 to Centroid Target #1:	0.108

BARBER - M24 0022901

SERIAL NUMBER: C6587569. __0
TARGET NUMBER: 1
FILE DATE: 10/05/2004
FILE TIME: 08:27

POINT#	X	Y
1:	-0.107	-0.648
2:	-0.245	0.731
3:	-0.306	0.217
4:	-0.146	0.090
5:	0.142	0.147
6:	0.318	0.033
7:	0.251	-0.090
8:	0.019	-0.162
9:	-0.047	-0.023
10:	0.216	-0.016

X CENTROID: 0.009
Y CENTROID: 0.028
POA TO CENTROID: 0.029
HORZ SPREAD: 0.624
VERT SPREAD: 1.379
GROUP SPREAD: 1.386
MIN RADIUS: 0.076
MAX RADIUS: 0.748
MEAN RADIUS: 0.320
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0022902

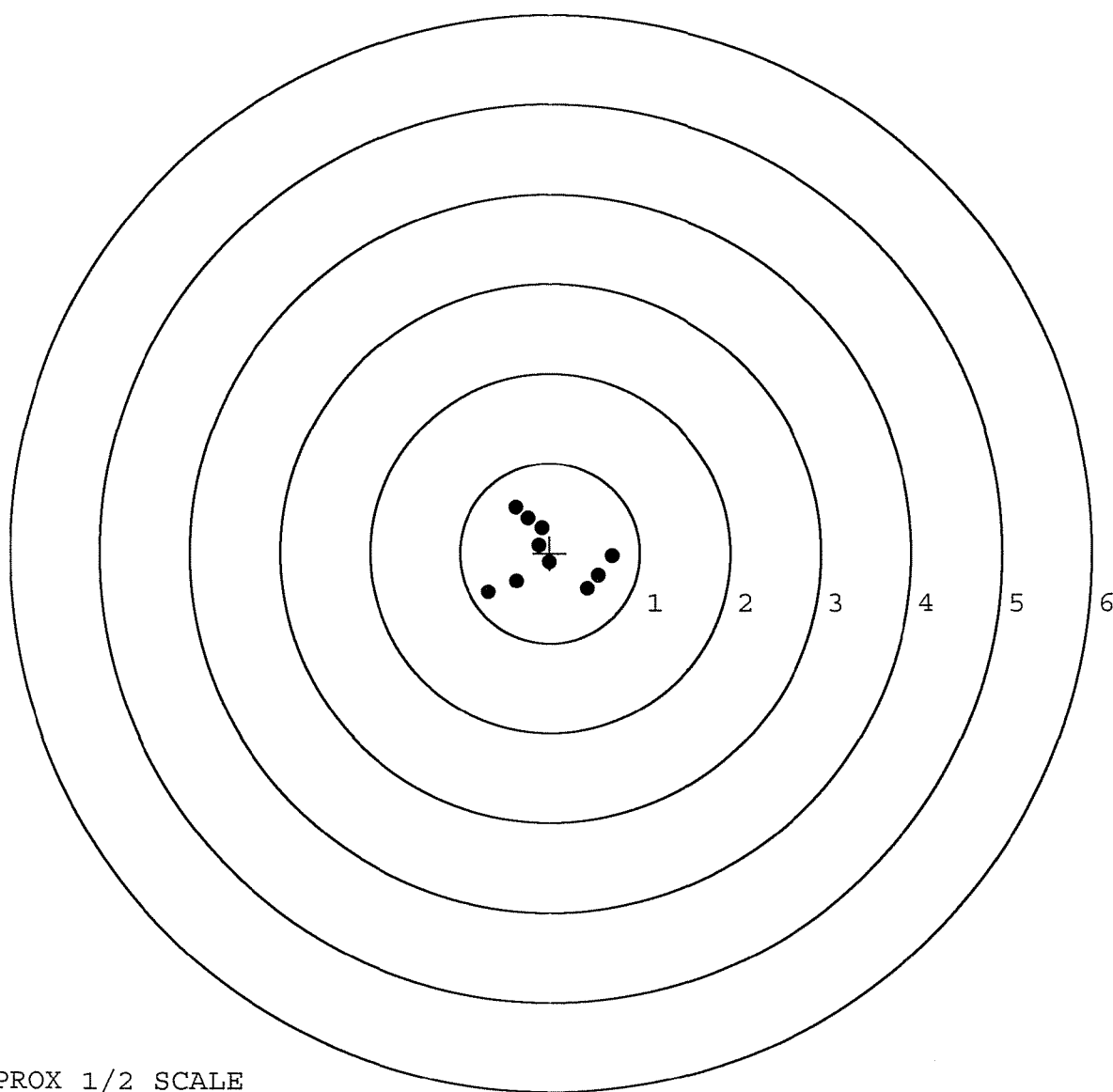
SERIAL NUMBER: C6587569. __0

TARGET NUMBER: 2

FILE DATE: 10/05/2004

FILE TIME: 08:27

		POINT#	X	Y
		1:	0.694	-0.036
		2:	0.423	-0.398
		3:	0.543	-0.249
		4:	-0.376	0.502
X CENTROID:	-0.023	5:	-0.241	0.383
Y CENTROID:	-0.030	6:	-0.087	0.274
POA TO CENTROID:	0.037	7:	-0.685	-0.438
HORZ SPREAD:	1.379	8:	-0.367	-0.316
VERT SPREAD:	0.940	9:	-0.010	-0.103
GROUP SPREAD:	1.436	10:	-0.121	0.083
MIN RADIUS:	0.074			
MAX RADIUS:	0.778			
MEAN RADIUS:	0.477			
# IN 1 IN DIAMETER:	5			
# IN 2 IN DIAMETER:	10			
# in 3 IN DIAMETER:	10			



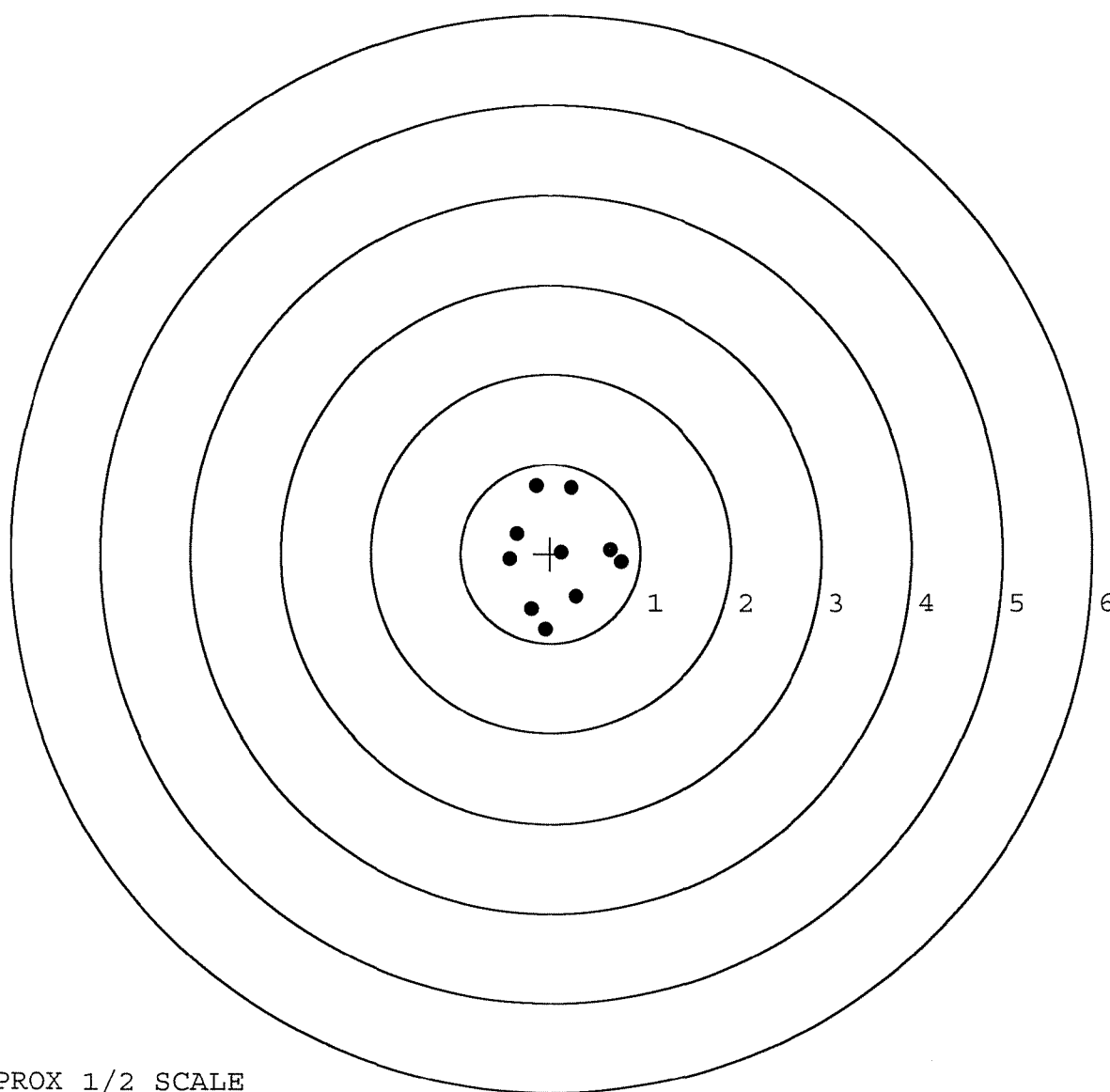
TARGET APPROX 1/2 SCALE

BARBER - M24 0022903

SERIAL NUMBER: C6587569. __0
 TARGET NUMBER: 3
 FILE DATE: 10/05/2004
 FILE TIME: 08:27

X CENTROID: 0.086
 Y CENTROID: -0.034
 POA TO CENTROID: 0.092
 HORZ SPREAD: 1.238
 VERT SPREAD: 1.609
 GROUP SPREAD: 1.613
 MIN RADIUS: 0.060
 MAX RADIUS: 0.830
 MEAN RADIUS: 0.601
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.059	-0.851
2:	-0.209	-0.620
3:	0.287	-0.483
4:	0.791	-0.097
5:	0.671	0.045
6:	0.121	0.015
7:	-0.447	-0.064
8:	-0.373	0.223
9:	0.235	0.735
10:	-0.160	0.758



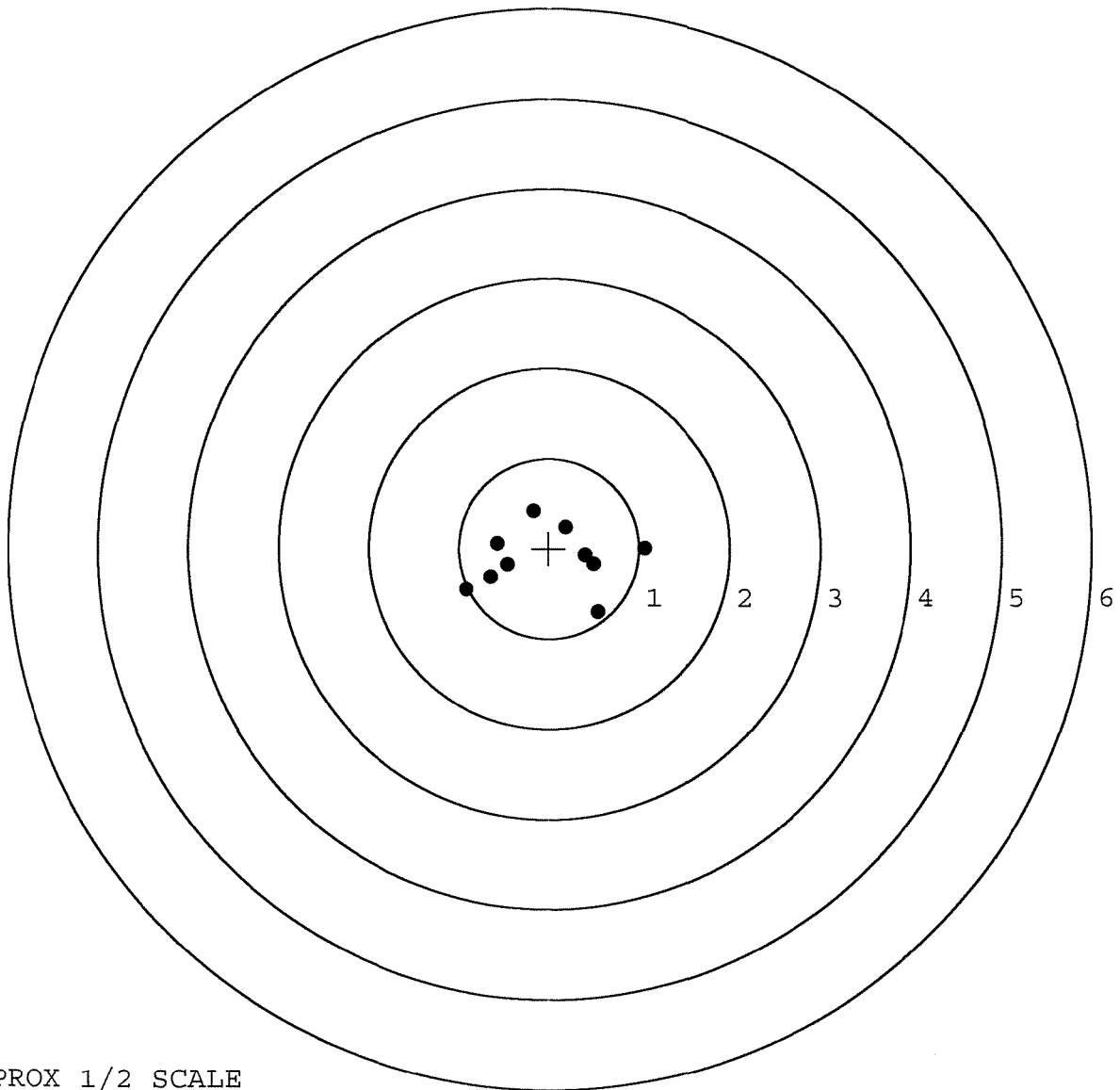
TARGET APPROX 1/2 SCALE

BARBER - M24 0022904

SERIAL NUMBER: C6587569. __0
TARGET NUMBER: 4
FILE DATE: 10/05/2004
FILE TIME: 08:27

POINT#	X	Y
1:	0.551	-0.710
2:	1.061	0.003
3:	0.502	-0.174
4:	0.411	-0.077
5:	0.189	0.237
6:	-0.173	0.419
7:	-0.569	0.057
8:	-0.456	-0.181
9:	-0.640	-0.326
10:	-0.918	-0.461

X CENTROID: -0.004
Y CENTROID: -0.121
POA TO CENTROID: 0.121
HORZ SPREAD: 1.979
VERT SPREAD: 1.129
GROUP SPREAD: 2.033
MIN RADIUS: 0.407
MAX RADIUS: 1.072
MEAN RADIUS: 0.647
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



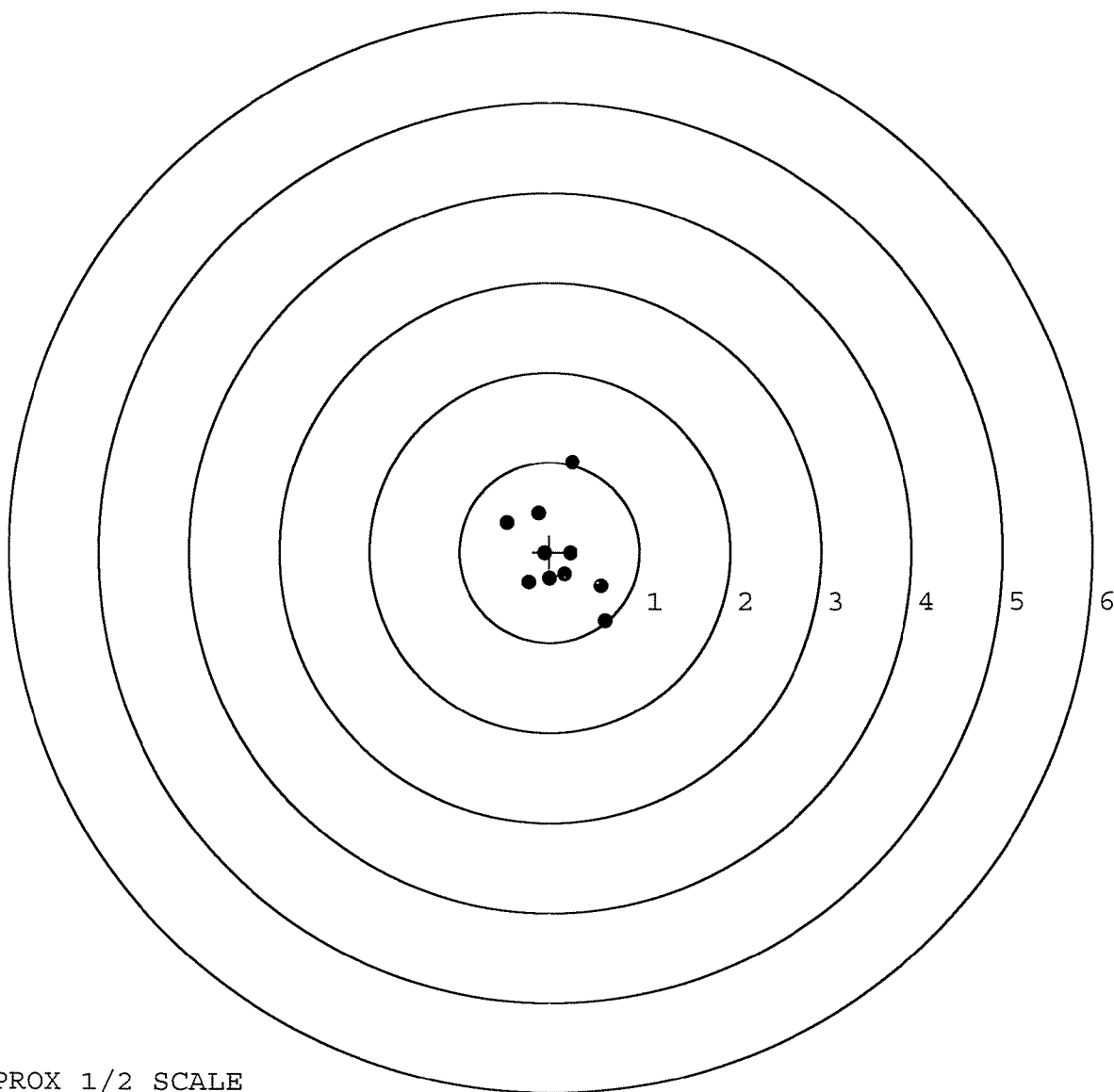
TARGET APPROX 1/2 SCALE

BARBER - M24 0022905

SERIAL NUMBER: C6587569. __0
 TARGET NUMBER: 5
 FILE DATE: 10/05/2004
 FILE TIME: 08:27

POINT#	X	Y
1:	0.626	-0.770
2:	0.576	-0.385
3:	0.257	0.996
4:	-0.124	0.428
5:	-0.467	0.322
6:	0.234	-0.015
7:	-0.054	-0.014
8:	0.170	-0.250
9:	0.002	-0.298
10:	-0.231	-0.343

X CENTROID: 0.099
 Y CENTROID: -0.033
 POA TO CENTROID: 0.104
 HORZ SPREAD: 1.093
 VERT SPREAD: 1.766
 GROUP SPREAD: 1.804
 MIN RADIUS: 0.136
 MAX RADIUS: 1.041
 MEAN RADIUS: 0.497
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington®
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

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

DU PONT

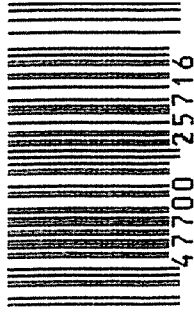
SERIAL NO. C6587569	ORDER NO. 5716
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6587569

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587569

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1023	90	RW
600	Proof	1023	90	RW
607	Check Headspace	1023	90	RW
610	Dis-assemble Gun	1023	90	RW
612	Magnaflux Barrel Action		10/24/90	JS
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	JS
617	Drill and Tap Sight Holes		10/24/90	LB
618	Polish Barrel RB		10/20/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/20/90	WB

op. #	NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	11/21/90	WLB		
	G) Safety Off Force	2	2	2	11/21/90	WLB		
	H) Trigger Pull Test & Retainability				11/20/90	WLB		
	I) Firing Pin Indent	.022	.023	.0225	11/21/90	WLB		
	J) Assemble Stock				11/29/90	RW		
	K) Assemble Swivel Studs				12-4-90	q28		
	L) Attach Front and Rear Sight Assemblies				11/29/90	RW		
	M) Iron Sight Alignment				11/29/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/29/90	RW		
	O) Attach Scope to Rifle				11/29/90	RW		
	P) Detach & Attach Scope 20 Times				11/29/90	RW		
640	Gallery Target & Test				12/1/90	NF		
	A) Time				12/1/90	NF		
	B) Malfunctions				"	NF		
	C) Pierced Primers				"	NF		
	D) Optical Clarity of Scope				"	NF		
645	Inspect for Live Ammo				12/1/90	NF		
55	Final Inspection							
	A) Headspace				12-4-90	q28		
	B) Trigger Pull	2.87	2.78	2.77	2.86	2.65	12-4-90	q28
	C) Function						12-4-90	q28
660	Pack				12/18/90	NF		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587569

DATE 11/20/80

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.31	2.45	2.87	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.27	2.42	2.78	
PULL #3	2.40	2.32	2.39	2.77	
PULL #4	2.35	2.29	2.42	2.86	
PULL #5	2.34	2.31	2.45	2.65	
TOTAL	11.94	11.50	12.13		
AVG.	2.39	2.30	2.43		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.19		
PULL #2	3.16	3.16		
PULL #3	3.16	3.16		
PULL #4	3.16	3.15		
PULL #5	3.15	3.21		
TOTAL	15.84	15.87		
AVG.	3.17	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.17		4.22
PULL #2	4.23	4.18		4.17
PULL #3	4.13	4.18		4.24
PULL #4	4.19	4.16		4.17
PULL #5	4.21	4.01		4.14
TOTAL	20.94	20.70		20.94
AVG.	4.19	4.14		4.19

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587569
1 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.367927
1 TO	2	.422452
1 TO	3	.616864
1 TO	4	.466623
1 TO	5	.168502

43
52

<----POA

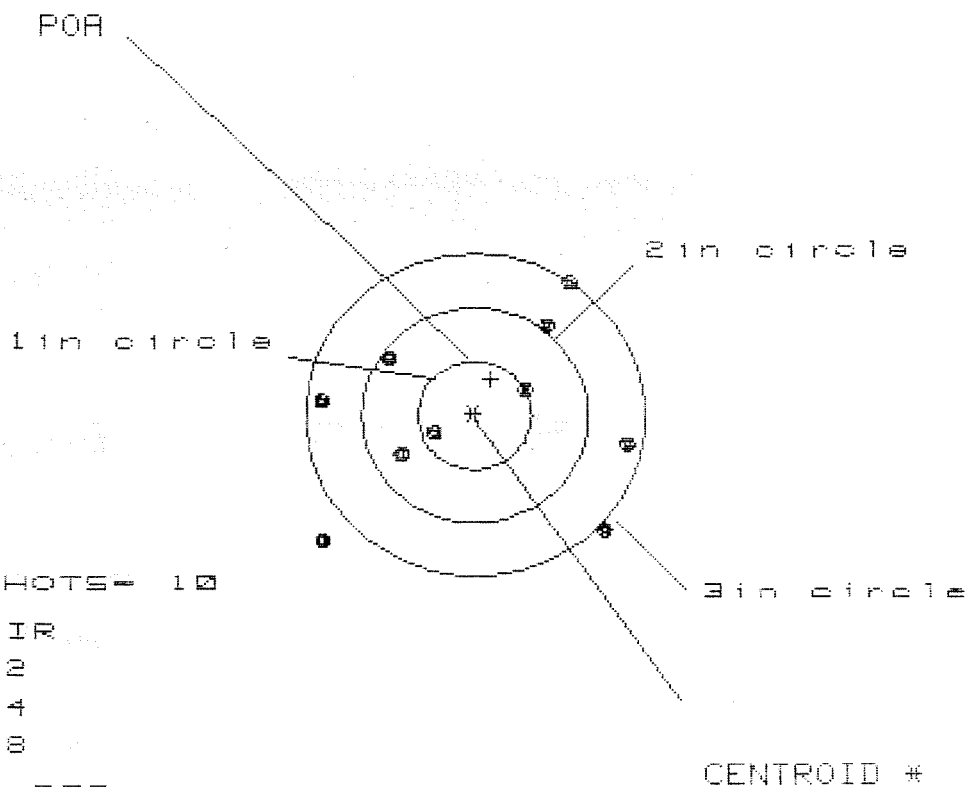
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0504
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1262
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .135892

THE AMR FOR THIS RIFLE IS: .9672

1 Dec 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C6587569

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.706

VS= 2.401

GS= 3.265

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.340	1.189	1.311
MINIMUM X	-1.366	-1.467	-1.345
MAXIMUM Y	1.220	1.089	.946
MINIMUM Y	-1.181	-1.142	-.621
CENTROID X	-.143	.008	-.114
CENTROID Y	-.339	-.208	-.065
POA TO CENTROID in.	.368	.208	.131
MIN RADIUS	.407	.289	.390
MEAN RADIUS	1.109	1.020	.947
MAX RADIUS	1.806	1.503	1.422
HORIZONTAL SPREAD	2.706	2.656	2.656
VERTICAL SPREAD	2.401	2.231	1.567
EXTREME SPREAD	3.265	2.703	2.689
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587569

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.078

VS= 3.968

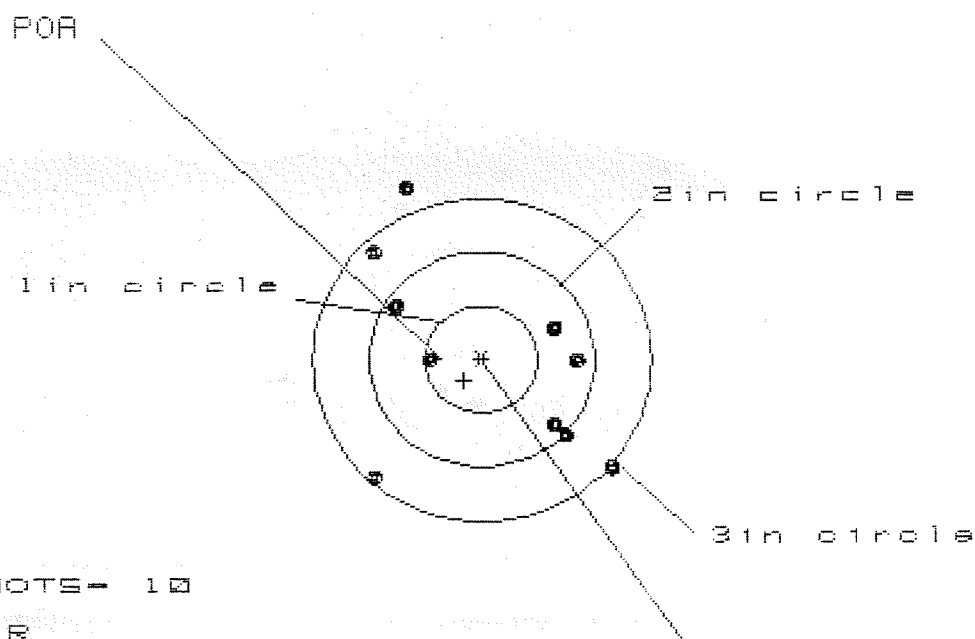
GS= 4.006

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.177	1.221	1.206
MINIMUM X	:	-.901	-.857	-.872
MAXIMUM Y	:	1.570	1.303	.560
MINIMUM Y	:	-2.398	-.641	-.478
CENTROID X	:	.272	.228	.243
CENTROID Y	:	-.260	.007	-.156
POA TO CENTROID in.	:	.376	.228	.288
MIN RADIUS	:	.093	.205	.110
MEAN RADIUS	:	.873	.677	.579
MAX RADIUS	:	2.431	1.379	1.298
HORIZONTAL SPREAD	:	2.078	2.078	2.078
VERTICAL SPREAD	:	3.968	1.944	1.038
EXTREME SPREAD	:	4.006	2.359	2.140
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587569

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 2.141

VS = 2.638

GS = 3.118

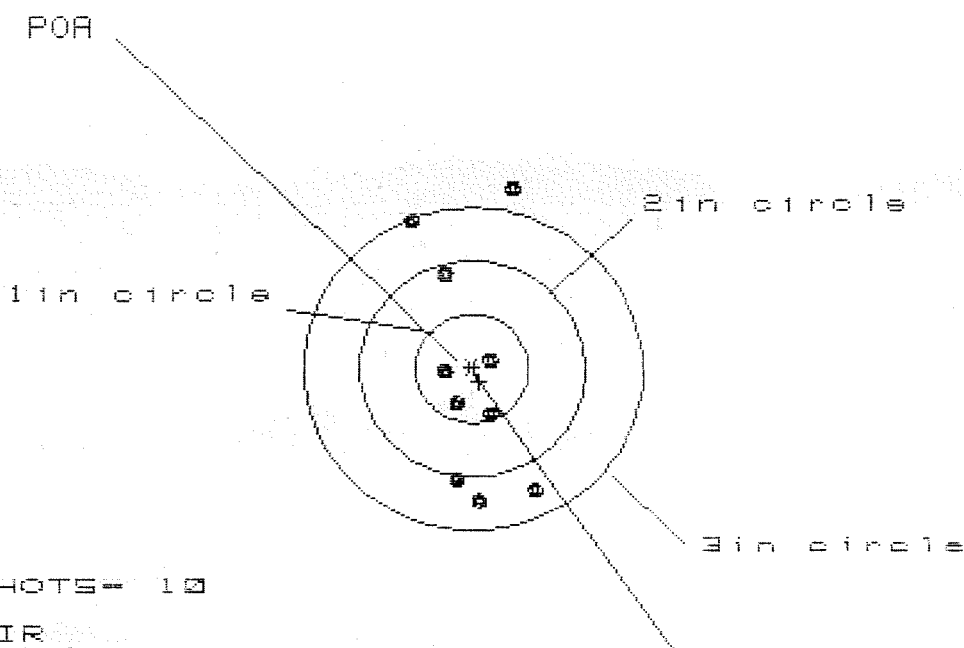
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.143	1.066	.866
MINIMUM X	:	-.998	-1.075	-.942
MAXIMUM Y	:	1.554	1.129	1.030
MINIMUM Y	:	-1.084	-.911	-1.010
CENTROID X	:	.157	.234	.101
CENTROID Y	:	.200	.027	.126
POA TO CENTROID in.	:	.254	.236	.151
MIN RADIUS	:	.472	.585	.428
MEAN RADIUS	:	1.078	.992	.949
MAX RADIUS	:	1.704	1.558	1.395
HORIZONTAL SPREAD	:	2.141	2.141	1.808
VERTICAL SPREAD	:	2.638	2.040	2.040
EXTREME SPREAD	:	3.118	2.873	2.380
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587563

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 5

3 in = 8

HS= 1.163

VS= 2.889

GS= 2.886

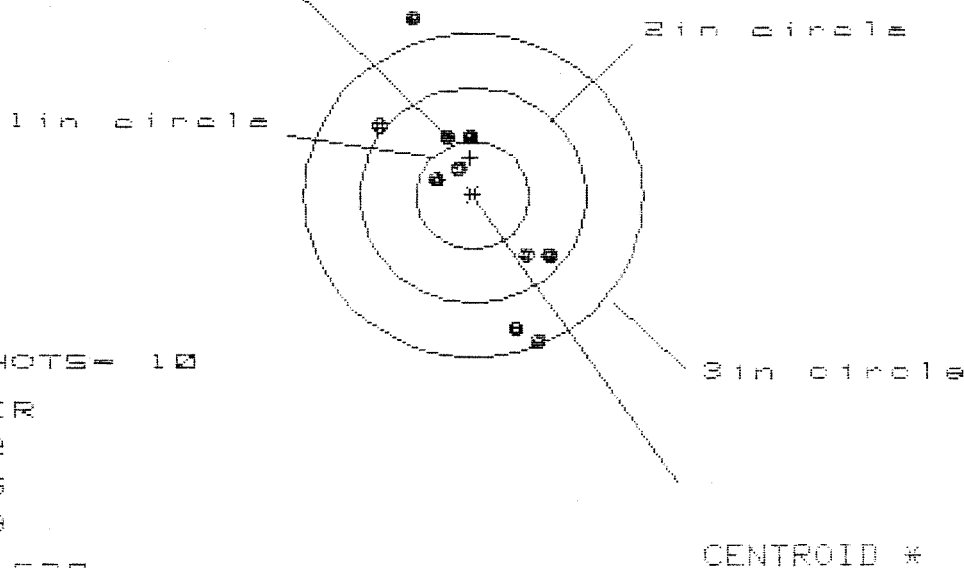
PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.591	.626	.559
MINIMUM X	-.572	-.537	-.254
MAXIMUM Y	1.717	1.605	1.246
MINIMUM Y	-1.172	-.981	-.780
CENTROID X	-.059	-.094	-.027
CENTROID Y	.120	-.071	-.272
POA TO CENTROID in.	.134	.118	.273
MIN RADIUS	.199	.200	.097
MEAN RADIUS	.884	.752	.614
MAX RADIUS	1.746	1.693	1.268
HORIZONTAL SPREAD	1.163	1.163	.813
VERTICAL SPREAD	2.889	2.586	2.026
EXTREME SPREAD	2.896	2.810	2.150
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587563

CENTERFIRE PATTERNS # 5

POR



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 1.528

VS= 2.961

GS= 3.149

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.723	.663	.723
MINIMUM X	-.805	-.865	-.805
MAXIMUM Y	1.616	.811	.665
MINIMUM Y	-1.345	-1.165	-1.177
CENTROID X	.025	.085	.025
CENTROID Y	-.352	-.532	-.386
POR TO CENTROID in.	.353	.539	.387
MIN RADIUS	.265	.449	.293
MEAN RADIUS	.892	.820	.727
MAX RADIUS	1.702	1.260	1.234
HORIZONTAL SPREAD	1.528	1.528	1.528
VERTICAL SPREAD	2.961	1.976	1.842
EXTREME SPREAD	3.149	2.390	2.186
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		