

C6225366

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Serial Number:

C6225366

Model: 700



RE00049185

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225366.___0
FILE DATE AND TIME: 08/06/2002 13:59

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

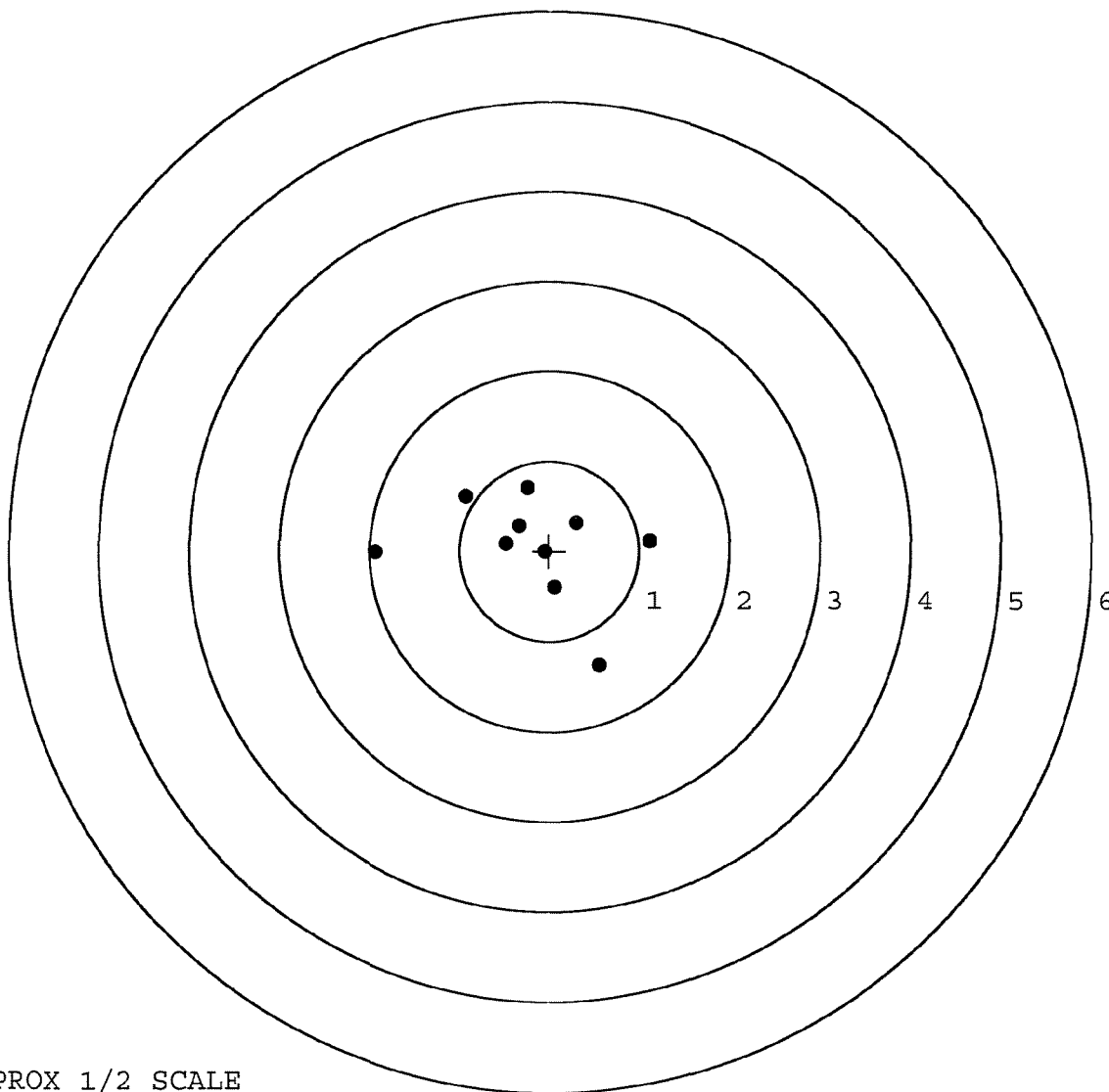
The Average X Centroid of the Five Target Set:	-0.100
The Average Y Centroid of the Five Target Set:	-0.067
The Average Point of Impact of the Five Target Set:	0.120
The Average Mean Radius of the Five Target Set:	0.622
The Distance from POA to Centroid Target #1:	0.201
The Distance from Centroid Target #2 to Centroid Target #1:	0.280
The Distance from Centroid Target #3 to Centroid Target #1:	0.164
The Distance from Centroid Target #4 to Centroid Target #1:	0.224
The Distance from Centroid Target #5 to Centroid Target #1:	0.075

BARBER - M24 0013780

SERIAL NUMBER: C6225366. __0
 TARGET NUMBER: 1
 FILE DATE: 08/06/2002
 FILE TIME: 13:59

POINT#	X	Y
1:	0.564	-1.267
2:	-1.935	-0.019
3:	1.107	0.107
4:	0.298	0.317
5:	0.060	-0.410
6:	-0.050	-0.009
7:	-0.481	0.085
8:	-0.346	0.282
9:	-0.248	0.701
10:	-0.937	0.610

X CENTROID: -0.197
 Y CENTROID: 0.040
 POA TO CENTROID: 0.201
 HORZ SPREAD: 3.042
 VERT SPREAD: 1.968
 GROUP SPREAD: 3.045
 MIN RADIUS: 0.155
 MAX RADIUS: 1.739
 MEAN RADIUS: 0.797
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

BARBER - M24 0013781

SERIAL NUMBER: C6225366. __0

TARGET NUMBER: 2

FILE DATE: 08/06/2002

FILE TIME: 13:59

POINT#	X	Y
1:	-0.843	-1.078
2:	-0.346	-0.503
3:	-0.343	-0.271
4:	-0.171	0.377
5:	0.344	0.136
6:	0.341	-0.268
7:	0.095	-0.343
8:	-0.047	-0.163
9:	0.017	0.095
10:	0.181	-0.113

X CENTROID: -0.077

Y CENTROID: -0.213

POA TO CENTROID: 0.227

HORZ SPREAD: 1.187

VERT SPREAD: 1.455

GROUP SPREAD: 1.698

MIN RADIUS: 0.058

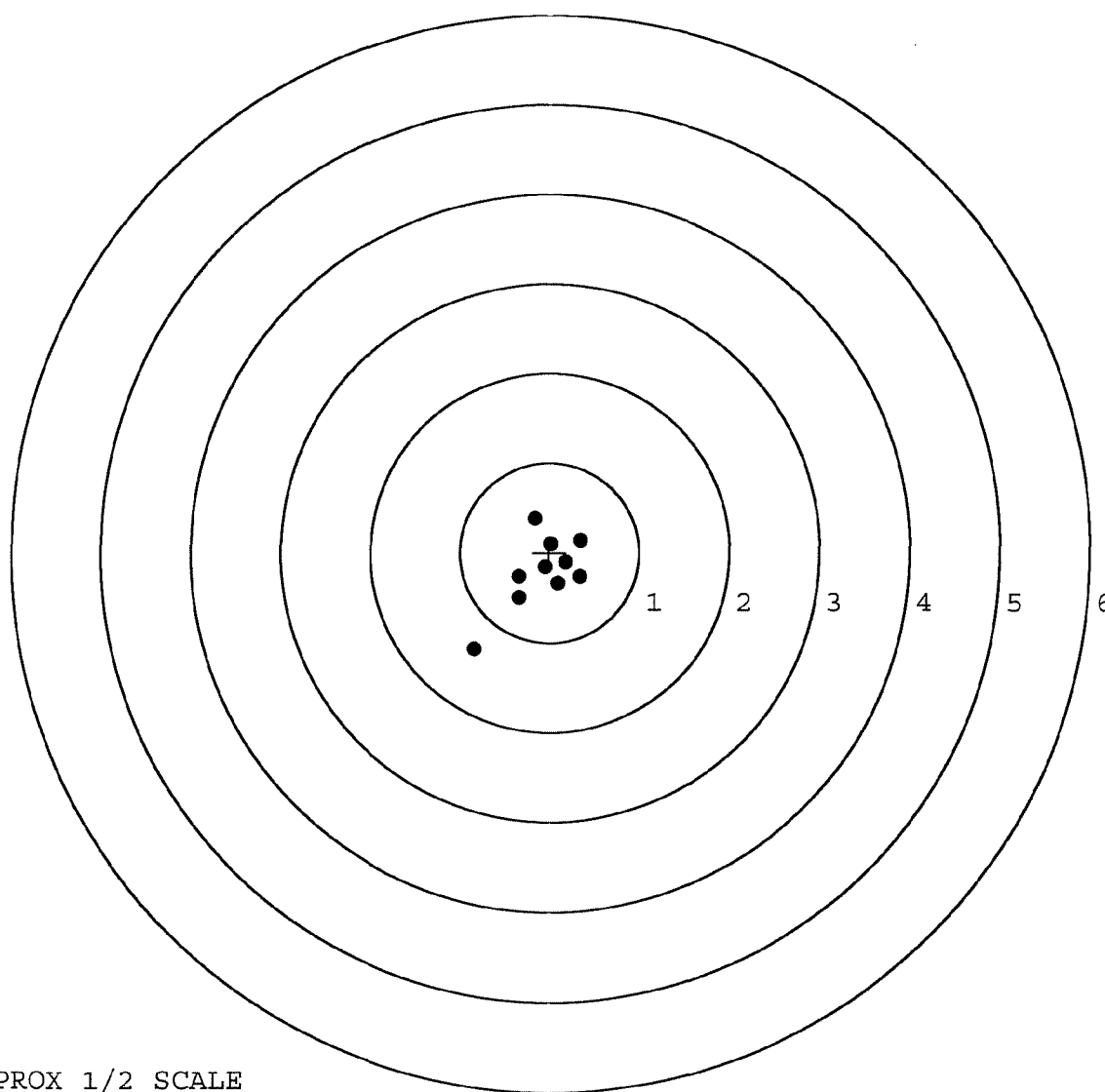
MAX RADIUS: 1.155

MEAN RADIUS: 0.426

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0013782

SERIAL NUMBER: C6225366. __0

TARGET NUMBER: 3

FILE DATE: 08/06/2002

FILE TIME: 13:59

POINT#	X	Y
1:	-0.063	-0.959
2:	0.526	-0.178
3:	0.215	0.479
4:	-0.279	0.580
5:	-0.497	0.979
6:	-0.807	-0.354
7:	0.066	-0.056
8:	-0.044	-0.231
9:	0.160	-0.399
10:	0.208	-0.230

X CENTROID: -0.052

Y CENTROID: -0.037

POA TO CENTROID: 0.063

HORZ SPREAD: 1.333

VERT SPREAD: 1.938

GROUP SPREAD: 1.986

MIN RADIUS: 0.119

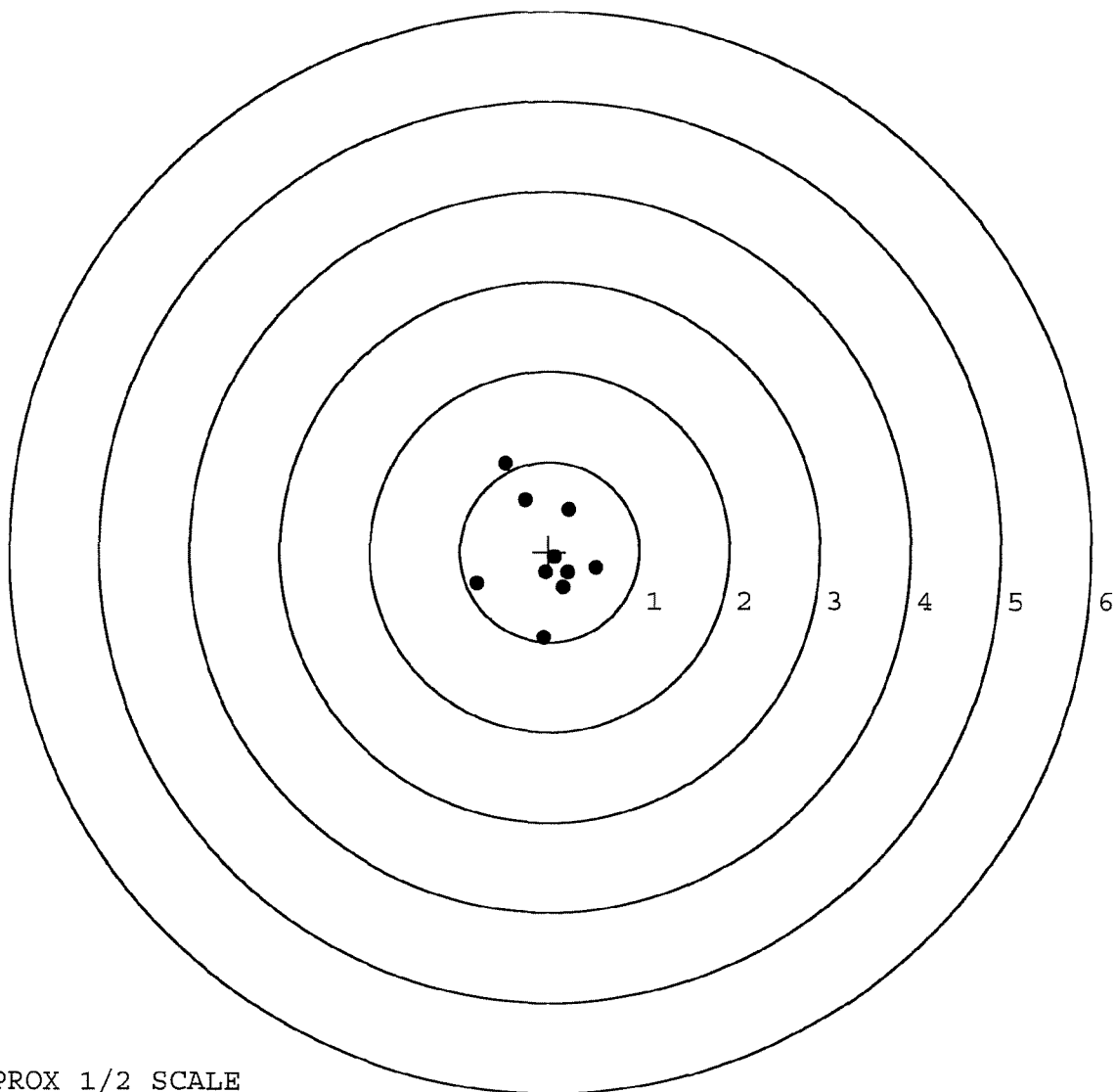
MAX RADIUS: 1.109

MEAN RADIUS: 0.574

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0013783

SERIAL NUMBER: C6225366. __0

TARGET NUMBER: 4

FILE DATE: 08/06/2002

FILE TIME: 13:59

POINT#	X	Y
1:	0.360	-1.051
2:	-0.243	-0.673
3:	0.108	-0.393
4:	-0.324	-0.236
5:	-0.214	-0.011
6:	-1.036	-0.025
7:	0.064	0.813
8:	0.341	0.432
9:	0.633	0.127
10:	0.071	-0.010

X CENTROID: -0.024

Y CENTROID: -0.103

POA TO CENTROID: 0.105

HORZ SPREAD: 1.669

VERT SPREAD: 1.864

GROUP SPREAD: 1.887

MIN RADIUS: 0.133

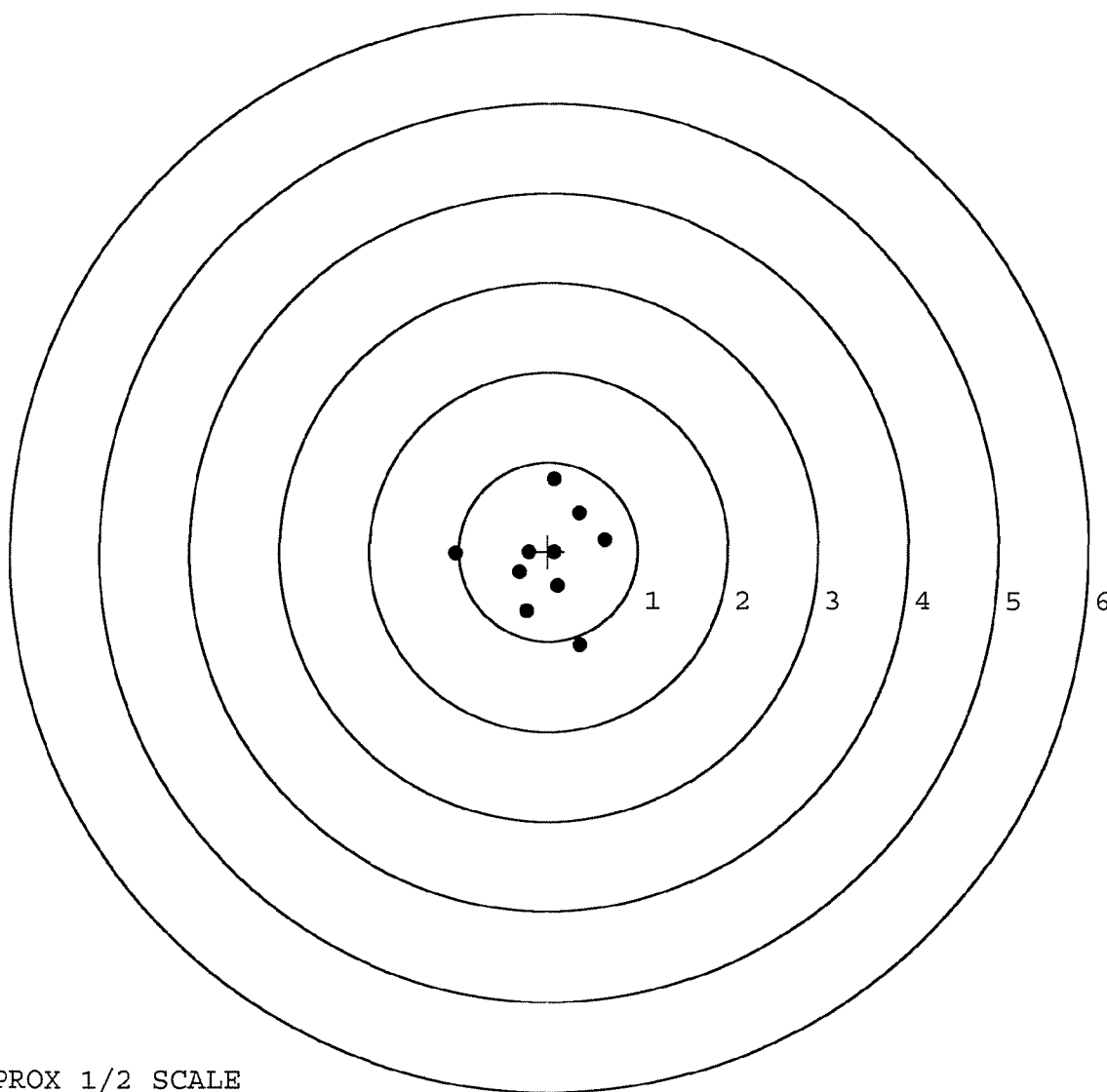
MAX RADIUS: 1.023

MEAN RADIUS: 0.590

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0013784

SERIAL NUMBER: C6225366. 0

TARGET NUMBER: 5

FILE DATE: 08/06/2002

FILE TIME: 13:59

POINT#	X	Y
1:	0.994	0.559
2:	0.309	0.655
3:	-0.792	0.756
4:	-0.721	0.122
5:	-0.347	-0.056
6:	0.269	-0.236
7:	0.343	-0.385
8:	0.045	-0.562
9:	-0.680	-0.562
10:	-0.933	-0.487

X CENTROID: -0.151

Y CENTROID: -0.020

POA TO CENTROID: 0.153

HORZ SPREAD: 1.927

VERT SPREAD: 1.318

GROUP SPREAD: 2.193

MIN RADIUS: 0.199

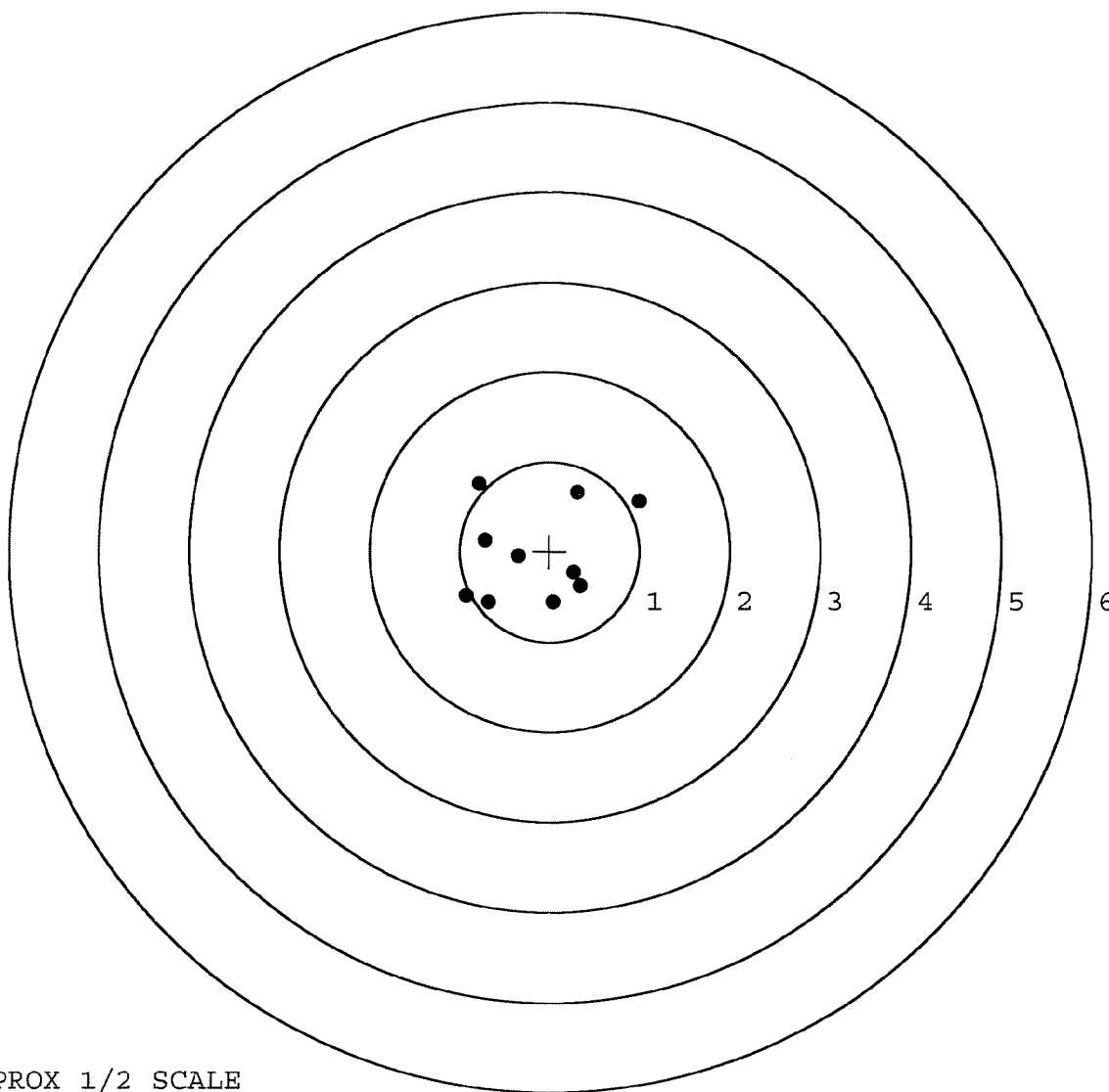
MAX RADIUS: 1.283

MEAN RADIUS: 0.722

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

Sn: C6225366

DATE REC'D: 7/12/02

DATE RET'D: 8/6/02

Auditor: 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
- ☒ 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: _____

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

R & E NUMBER	49185		
SERIAL NUMBER	C6225366		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/12/02	RL
560 A	RE-BARREL	7/12/02	DA
B	DRILL AND TAP	7/17/02	AC
575	ASSEMBLE	7/18/02	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	7/23/02	TD
618	ROTO-BLAST	7/25/02	KO
620	APPLY COATINGS	OPERATOR 7-26	TA
625 A	FINAL ASSEMBLY	8/5/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-5-02	AK
655	FINAL INSPECT	8/6/02	RL
660	PACK	8/6/02	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington[®]

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

DUPONT

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

MODEL 700TM H24

SERIAL NO.
C6225366

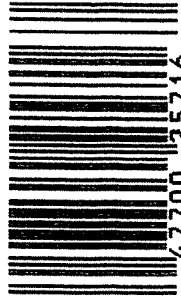
ORDER NO.
5716

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



5716 C6225366

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225366

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21	89	RW
600	Proof	4 21	89	RW
607	Check Headspace	4 21	89	RW
610	Dis-assemble Gun	4 21	89	RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	LS
617	Drill and Tap Sight Holes	4 27	89	LB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5/8/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/10/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/10/89	RW
	C) Inspect Ejector Hole for Chamfer		5/10/89	RW
	D) Oil Firing Pin Ass'y		5/10/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/15/89	WOB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/16/89	JS
	G) Safety Off Force	3	3	3			5/16/89	JS
	H) Trigger Pull Test & Retainability						5/15/89	WLB
	I) Firing Pin Indent	.021	.021	.021			5/16/89	JS
	J) Assemble Stock						5/16/89	RW
	K) Assemble Swivel Studs						18 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/16/89	RW
	M) Iron Sight Alignment						5/16/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/16/89	RW
	O) Attach Scope to Rifle						5/16/89	JS
	P) Detach & Attach Scope 20 Times						5/16/89	JS
640	Gallery Target & Test	75 R	77 L				5/17/89	A
	A) Time						5/17/89	A
	B) Malfunctions						5/17/89	A
	C) Pierced Primers						5/17/89	A
	D) Optical Clarity of Scope						5/17/89	A
645	Inspect for Live Ammo						5/17/89	A
655	Final Inspection							
	A) Headspace						18 May 89	JS
	B) Trigger Pull	2.44	2.51	2.47	2.27	2.46	18 May 89	JS
	C) Function						18 May 89	JS
660	Pack						26 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6225366DATE 5/15/89TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.38	2.36	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.48	2.60	2.51	
PULL #3	2.38	2.38	2.55	2.47	
PULL #4	2.43	2.45	2.56	2.27	
PULL #5	2.52	2.32	2.53	2.46	
TOTAL	12.20	12.01	12.82	12.15	
AVG.	2.44	2.40	2.56	2.43	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.01		
PULL #2	3.14	3.01		
PULL #3	2.93	3.04		
PULL #4	2.96	2.98		
PULL #5	2.96	2.99		
TOTAL	15.10	15.03		
AVG.	3.02	3.01		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.12		4.32
PULL #2	4.17	4.09		4.20
PULL #3	4.08	3.97		4.25
PULL #4	4.10	4.02		4.28
PULL #5	4.06	3.88		4.26
TOTAL	20.52	20.08		21.31
AVG.	4.10	4.01		4.26

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225366
17 May 1989

CENTROIDAL DISTANCES

0 TO	1	.884971
1 TO	2	.241514
1 TO	3	1.49565
1 TO	4	1.39328
1 TO	5	.821855

3
F₂₁ ←---POA
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .199
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0362
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .202266
THE AMR FOR THIS RIFLE IS: .92

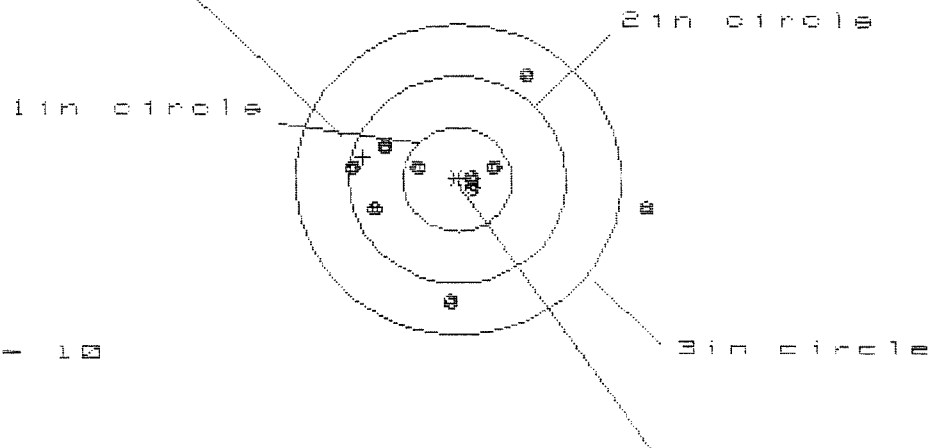
17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225386

CENTERFIRE PATTERNS

1

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 2.661

VS= 2.199

GS= 2.688

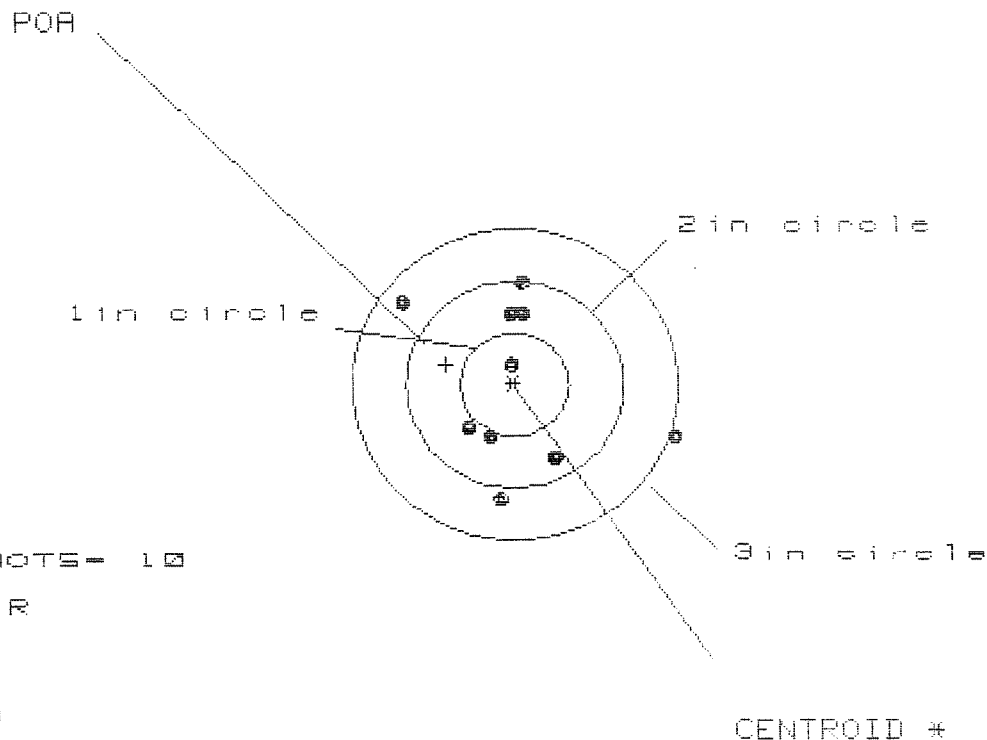
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.694	.859	.606
MINIMUM X	:	-.967	-.779	-.671
MAXIMUM Y	:	1.023	.994	.420
MINIMUM Y	:	-1.176	-1.205	-1.080
CENTROID X	:	.867	.679	.571
CENTROID Y	:	-.222	-.193	-.318
POA TO CENTROID in.	:	.895	.706	.654
MIN RADIUS	:	.100	.230	.224
MEAN RADIUS	:	.764	.653	.573
MAX RADIUS	:	1.713	1.314	1.101
HORIZONTAL SPREAD	:	2.661	1.638	1.277
VERTICAL SPREAD	:	2.199	2.199	1.500
EXTREME SPREAD	:	2.688	2.324	1.609
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225386

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.503

VS= 2.121

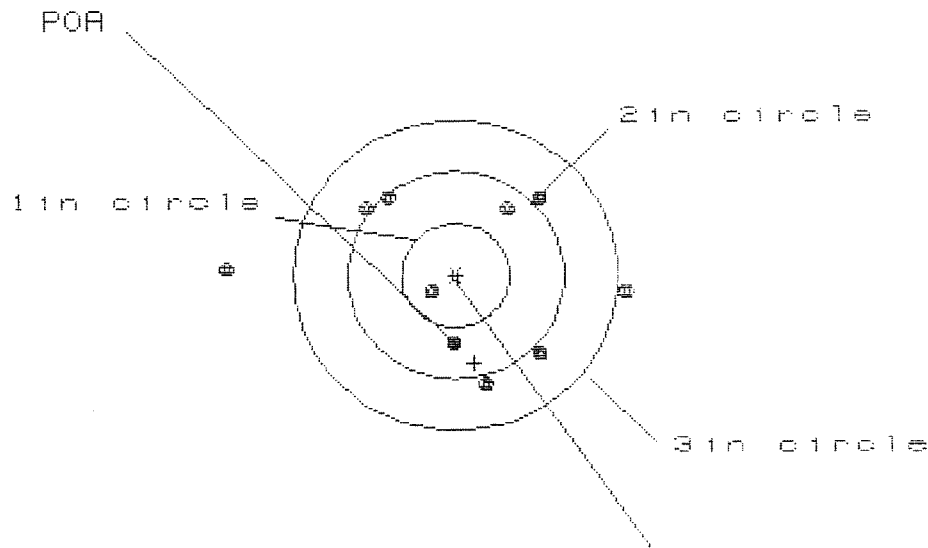
GS= 2.801

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.445
MINIMUM X	:	-1.058
MAXIMUM Y	:	.972
MINIMUM Y	:	-1.149
CENTROID X	:	.627
CENTROID Y	:	-.195
POA TO CENTROID in.	:	.657
MIN RADIUS	:	.169
MEAN RADIUS	:	.847
MAX RADIUS	:	1.516
HORIZONTAL SPREAD	:	2.503
VERTICAL SPREAD	:	2.121
EXTREME SPREAD	:	2.801
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	7
NUMBER IN THREE INCH CIRCLE =	:	9

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225366

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 3.639

VS= 1.744

GS= 3.646

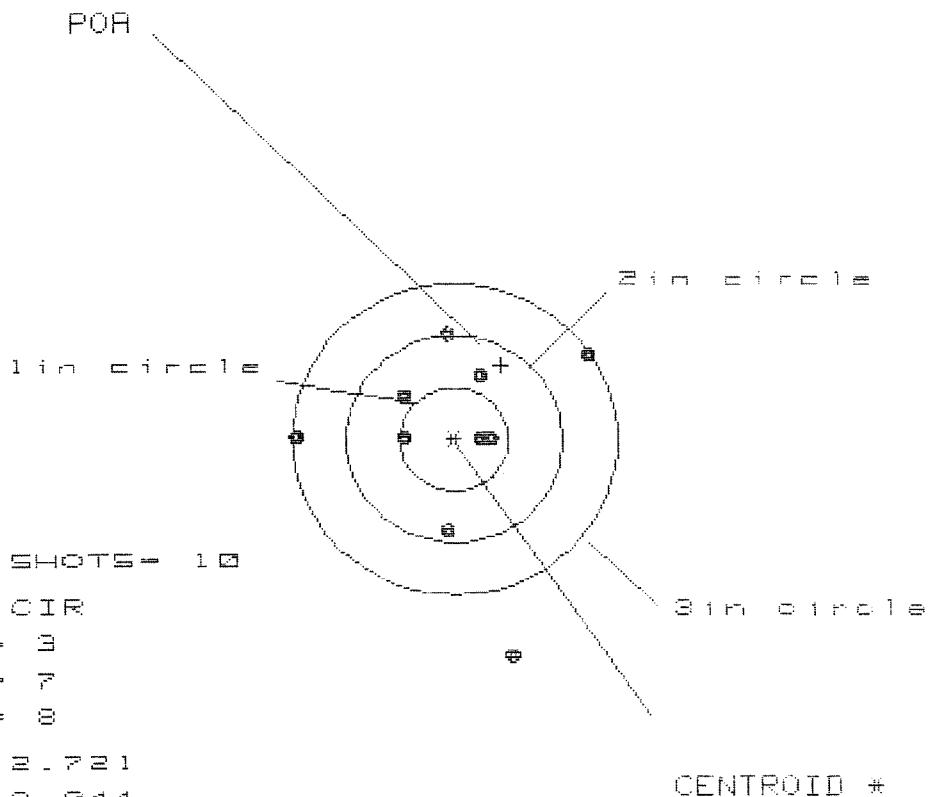
CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.540
MINIMUM X	-2.099
MAXIMUM Y	.743
MINIMUM Y	-1.001
CENTROID X	-.177
CENTROID Y	.849
POA TO CENTROID in.	.867
MIN RADIUS	.282
MEAN RADIUS	1.051
MAX RADIUS	2.100
HORIZONTAL SPREAD	3.639
VERTICAL SPREAD	1.744
EXTREME SPREAD	3.646
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225388

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 2.721

VS = 3.044

GS = 3.093

CENTROID #

PATTERN #	:	4
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.208
MINIMUM X	:	-1.513
MAXIMUM Y	:	.993
MINIMUM Y	:	-2.051
CENTROID X	:	-.435
CENTROID Y	:	-.718
POR TO CENTROID in.	:	.839
MIN RADIUS	:	.235
MEAN RADIUS	:	.915
MAX RADIUS	:	2.111
HORIZONTAL SPREAD	:	2.721
VERTICAL SPREAD	:	3.044
EXTREME SPREAD	:	3.093
NUMBER IN ONE INCH CIRCLE =	:	3
NUMBER IN TWO INCH CIRCLE =	:	7
NUMBER IN THREE INCH CIRCLE =	:	8

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225368

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 0

2in = 6

3in = 9

HS = 2.888

VS = 2.059

GS = 3.334

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.965	.751	.580
MINIMUM X	:	-1.923	-1.368	-.861
MAXIMUM Y	:	1.071	.658	.730
MINIMUM Y	:	-.988	-.869	-.797
CENTROID X	:	.113	.327	.498
CENTROID Y	:	.105	-.014	-.086
POA TO CENTROID in.	:	.154	.327	.505
MIN RADIUS	:	.515	.652	.467
MEAN RADIUS	:	1.023	.858	.750
MAX RADIUS	:	2.202	1.483	.948
HORIZONTAL SPREAD	:	2.888	2.119	1.441
VERTICAL SPREAD	:	2.059	1.527	1.527
EXTREME SPREAD	:	3.334	2.360	1.658
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	