

MODEL 700™ M24

Action

Capacity

Order No. **5716**

Remington



Serial
Number: C6225109

Model: 700



RE00049199

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225109. __0

FILE DATE AND TIME: 08/01/2002 22:22

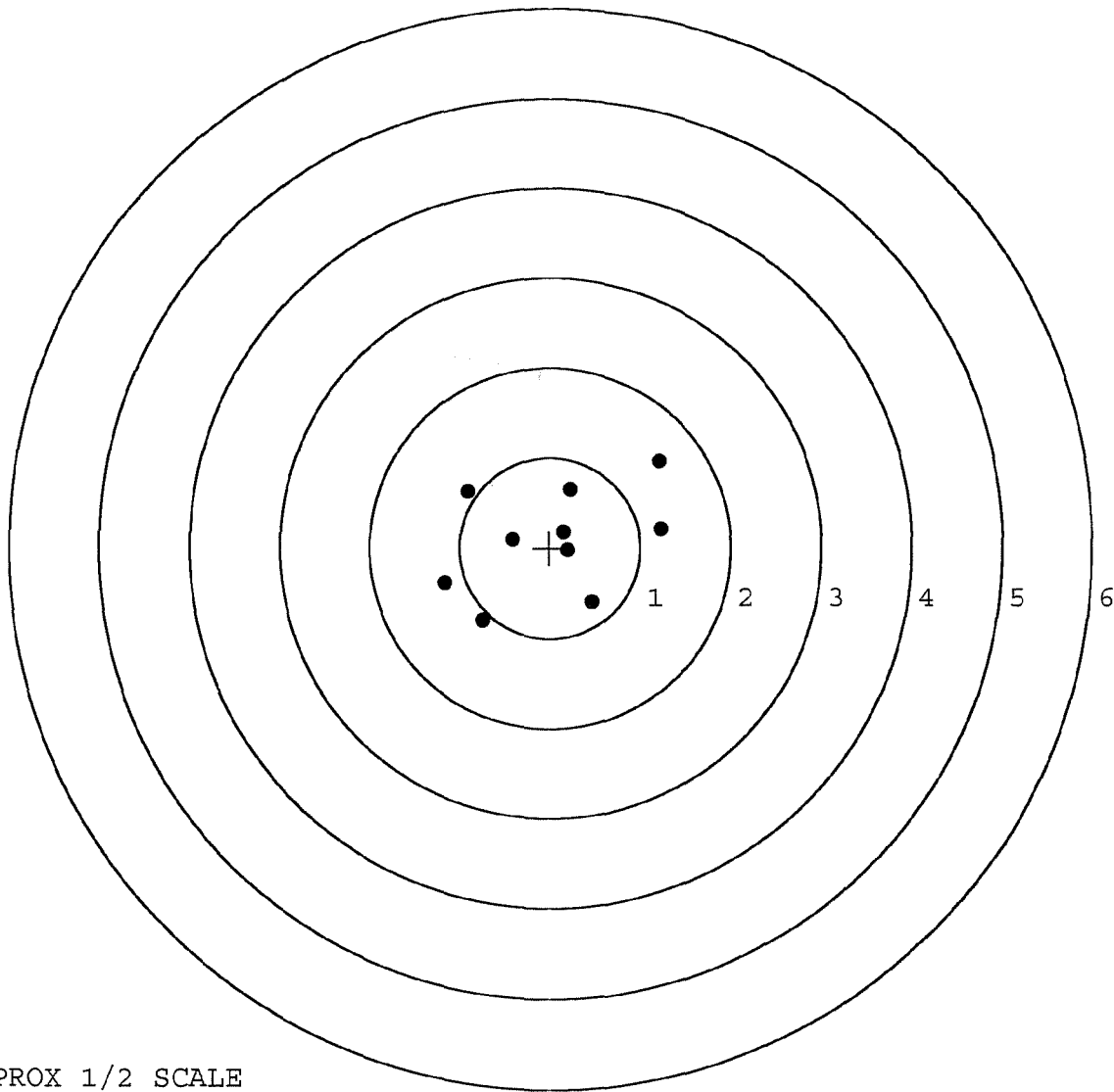
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.077
The Average Y Centroid of the Five Target Set:	0.007
The Average Point of Impact of the Five Target Set:	0.078
The Average Mean Radius of the Five Target Set:	0.769
The Distance from POA to Centroid Target #1:	0.091
The Distance from Centroid Target #2 to Centroid Target #1:	0.298
The Distance from Centroid Target #3 to Centroid Target #1:	0.109
The Distance from Centroid Target #4 to Centroid Target #1:	0.382
The Distance from Centroid Target #5 to Centroid Target #1:	0.289

SERIAL NUMBER: C6225109.____0
TARGET NUMBER: 1
FILE DATE: 08/01/2002
FILE TIME: 22:22

X CENTROID: 0.026
Y CENTROID: 0.088
POA TO CENTROID: 0.091
HORZ SPREAD: 2.384
VERT SPREAD: 1.779
GROUP SPREAD: 2.732
MIN RADIUS: 0.152
MAX RADIUS: 1.474
MEAN RADIUS: 0.844
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.223	0.209
2:	1.209	0.966
3:	0.232	0.647
4:	0.150	0.175
5:	0.205	-0.031
6:	0.463	-0.600
7:	-0.742	-0.813
8:	-1.161	-0.394
9:	-0.411	0.092
10:	-0.911	0.626

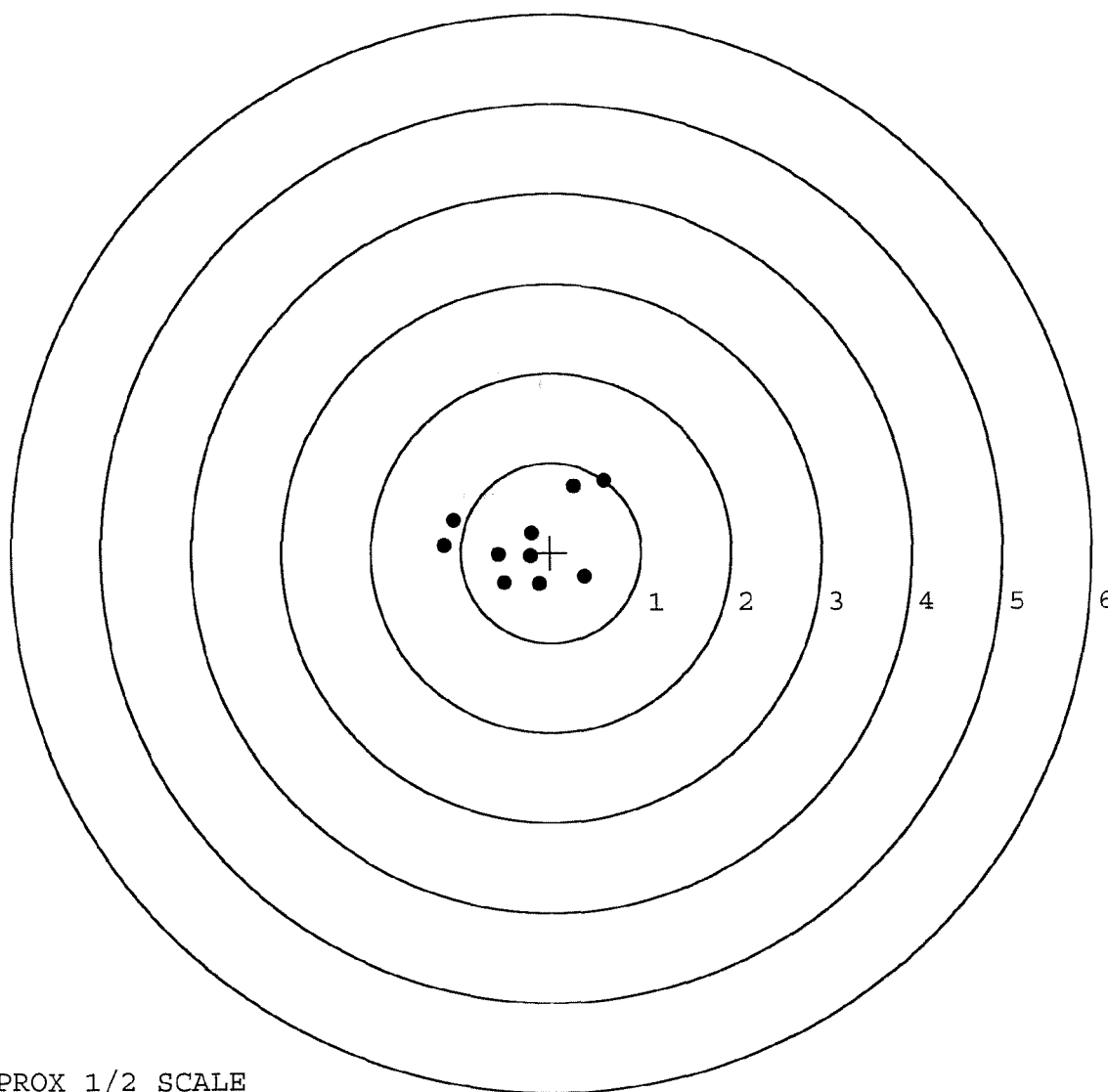


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225109. __0
TARGET NUMBER: 2
FILE DATE: 08/01/2002
FILE TIME: 22:22

POINT#	X	Y
1:	0.377	-0.261
2:	0.587	0.804
3:	0.257	0.736
4:	-0.214	0.215
5:	-0.226	-0.043
6:	-0.514	-0.334
7:	-0.127	-0.351
8:	-0.585	-0.022
9:	-1.181	0.078
10:	-1.081	0.356

X CENTROID: -0.271
Y CENTROID: 0.118
POA TO CENTROID: 0.295
HORZ SPREAD: 1.768
VERT SPREAD: 1.155
GROUP SPREAD: 1.911
MIN RADIUS: 0.113
MAX RADIUS: 1.098
MEAN RADIUS: 0.604
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

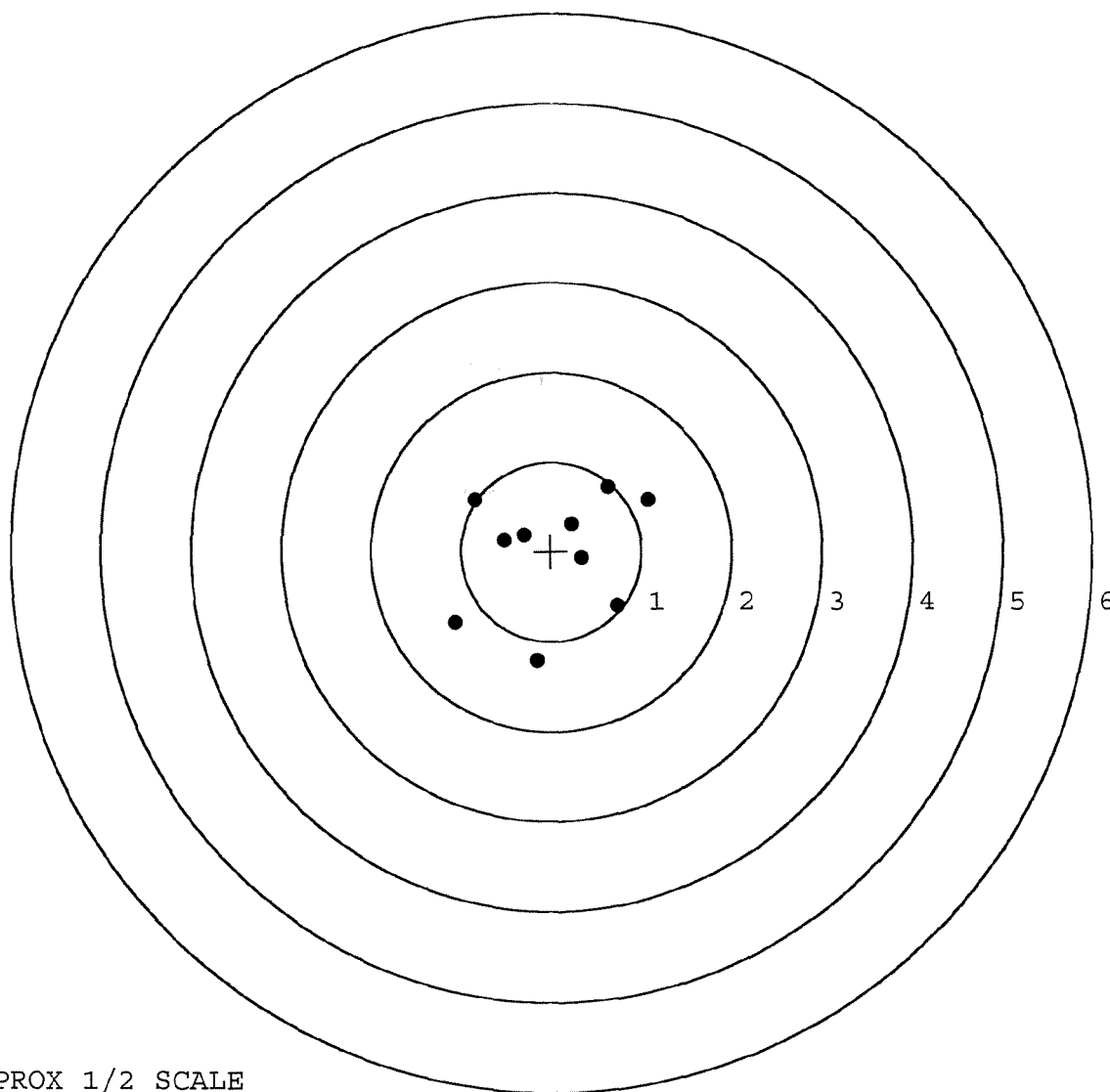


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225109. __0
TARGET NUMBER: 3
FILE DATE: 08/01/2002
FILE TIME: 22:22

POINT#	X	Y
1:	1.068	0.581
2:	0.632	0.726
3:	0.227	0.307
4:	0.344	-0.077
5:	0.737	-0.602
6:	-0.154	-1.215
7:	-1.061	-0.804
8:	-0.302	0.180
9:	-0.519	0.124
10:	-0.844	0.572

X CENTROID: 0.013
Y CENTROID: -0.021
POA TO CENTROID: 0.024
HORZ SPREAD: 2.129
VERT SPREAD: 1.941
GROUP SPREAD: 2.540
MIN RADIUS: 0.336
MAX RADIUS: 1.329
MEAN RADIUS: 0.834
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225109. 0

TARGET NUMBER: 4

FILE DATE: 08/01/2002

FILE TIME: 22:22

POINT#	X	Y
1:	-1.179	-0.566
2:	-1.249	-0.415
3:	-1.665	0.311
4:	-0.664	-0.001
5:	0.079	0.639
6:	0.473	0.770
7:	0.382	0.054
8:	0.260	-0.033
9:	0.110	-0.310
10:	-0.004	-0.469

X CENTROID: -0.346

Y CENTROID: -0.002

POA TO CENTROID: 0.346

HORZ SPREAD: 2.138

VERT SPREAD: 1.336

GROUP SPREAD: 2.187

MIN RADIUS: 0.318

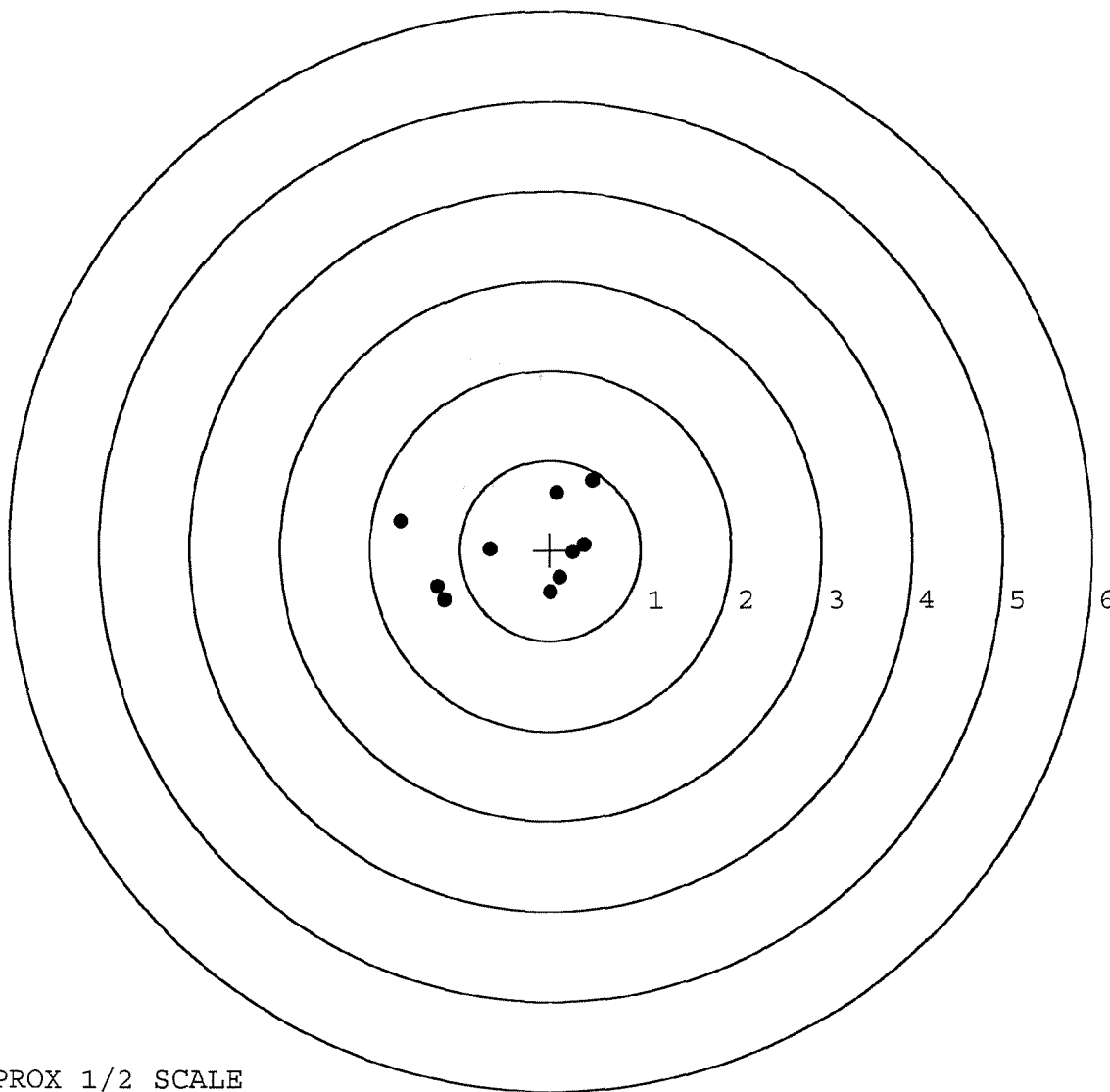
MAX RADIUS: 1.356

MEAN RADIUS: 0.803

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

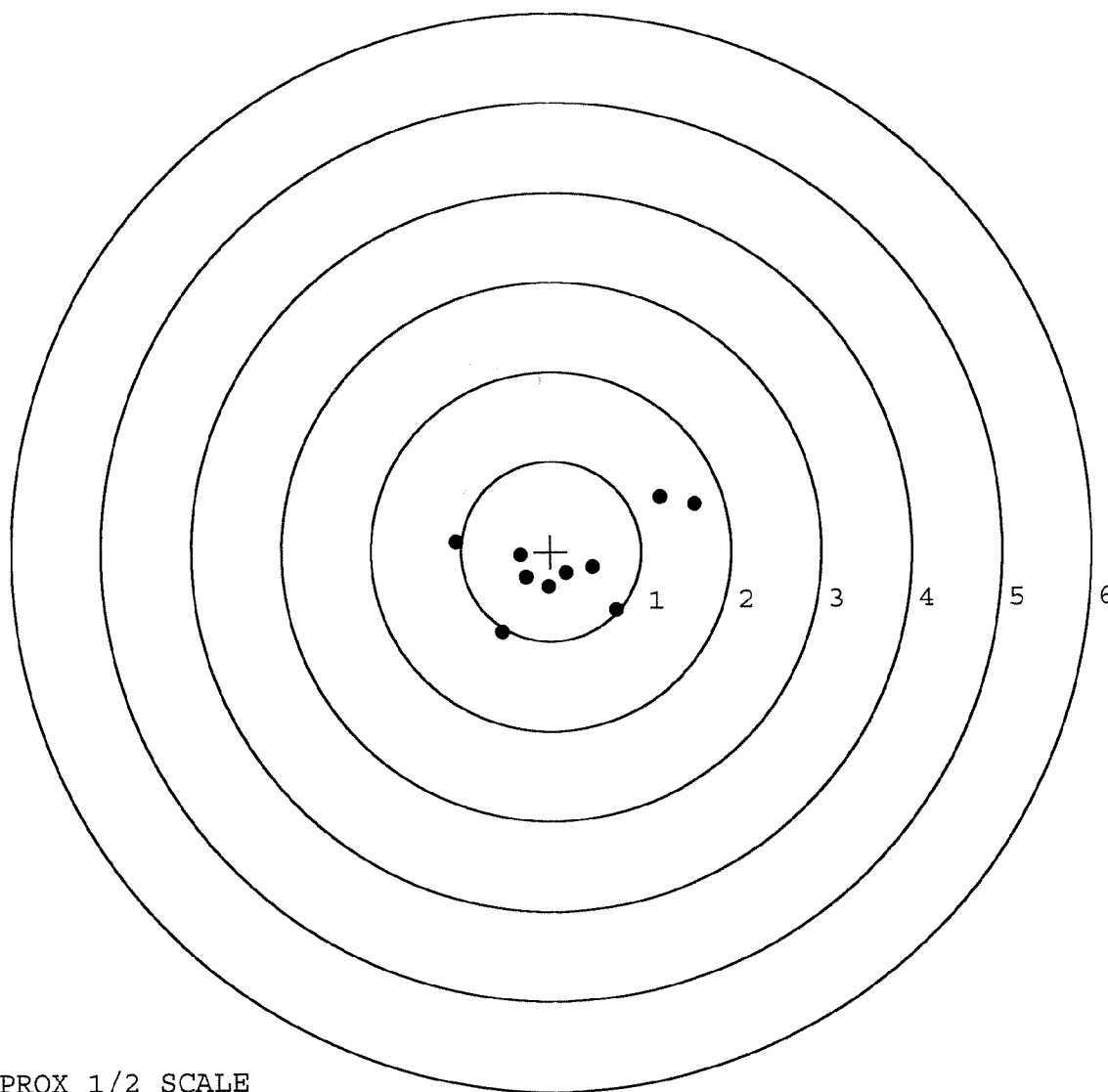


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225109. __0
TARGET NUMBER: 5
FILE DATE: 08/01/2002
FILE TIME: 22:22

X CENTROID: 0.191
Y CENTROID: -0.149
POA TO CENTROID: 0.242
HORZ SPREAD: 2.657
VERT SPREAD: 1.499
GROUP SPREAD: 2.688
MIN RADIUS: 0.095
MAX RADIUS: 1.555
MEAN RADIUS: 0.761
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.597	0.516
2:	1.208	0.599
3:	0.723	-0.660
4:	0.460	-0.182
5:	-0.540	-0.900
6:	0.171	-0.242
7:	-0.029	-0.398
8:	-0.279	-0.289
9:	-0.337	-0.040
10:	-1.060	0.108



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		49199	
SERIAL NUMBER		C6225109	
LOG-IN DATE		7/11/02	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/16/02	RL
560 A	RE-BARREL	7/17/02	RA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	RL
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA - FLUX INSPECTED JUL 23 2002	
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	7/31/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7-31-02	RL
655	FINAL INSPECT	8-1-02	RL
660	PACK	8-1-02	RA
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

In: 0225109

DATE REC'D: 7/12/02

DATE RET'D: 8/1/02

EDITOR: RL

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: _____

Remington



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

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

MODEL 700TM H24

**SERIAL NO.
C6225109**

**ORDER NO.
5716**

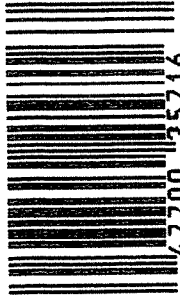
01

MADE IN U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6225109

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225109

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 17	89	RW
600	Proof	3 17	89	RW
607	Check Headspace	3 17	89	RW
610	Dis-assemble Gun	3 17	89	RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	LS
617	Drill and Tap Sight Holes	3 22	89	FB
618	Polish Barrel	3 22	89	BT.
620	Apply Coatings (Barrel Action)		3/21/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/2/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/6/89	RW
	C) Inspect Ejector Hole for Chamfer		4/6/89	RW
	D) Oil Firing Pin Ass'y		4/7/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/10/89	LS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4/10/89	JLL
	G) Safety Off Force	3	3	3			4/10/89	JLL
	H) Trigger Pull Test & Retainability						4/10/89	B.S.
	I) Firing Pin Indent	.023	.022	.023			4/10/89	JLL
	J) Assemble Stock						4/12/89	RW
	K) Assemble Swivel Studs						17 April 89	JS
	L) Attach Front and Rear Sight Assemblies						4/12/89	RW
	M) Iron Sight Alignment						4/12/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/12/89	RW
	O) Attach Scope to Rifle						4/12/89	JLL
	P) Detach & Attach Scope 20 Times						4/12/89	JLL
640	Gallery Target & Test	55 R	104 L				4/14/89	A
	A) Time						4/14/89	A
	B) Malfunctions						4/14/89	A
	C) Pierced Primers						4/14/89	A
	D) Optical Clarity of Scope						4/14/89	A
645	Inspect for Live Ammo						4/14/89	A
655	Final Inspection							
	A) Headspace						17 April 89	JS
	B) Trigger Pull	2.48	2.55	2.58	2.53	2.56	17 April 89	JS
	C) Function						17 April 89	JS
660	Pack						27 June 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. C6225109
DATE 10 April 89
TESTER ES

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	239	226	2.17	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	243	231	2.19	2.55	
PULL #3	248	252	2.11	2.58	
PULL #4	224	224	2.16	2.53	
PULL #5	217	227	2.17	2.56	
TOTAL	11.61	11.60	10.80	12.70	
AVG.	2.322	2.32	2.16	2.54	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	346	337		
PULL #2	357	343		
PULL #3	339	334		
PULL #4	336	323		
PULL #5	342	340		
TOTAL	1720	1677		
AVG.	3.44	3.354		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.52		4.18
PULL #2	4.13	4.26		4.15
PULL #3	4.18	4.20		4.13
PULL #4	4.14	4.12		4.23
PULL #5	4.24	4.20		4.12
TOTAL	20.90	21.40		20.81
AVG.	4.18	4.28		4.162

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225189
17 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.385415
1 TO	2	.28526
1 TO	3	.184358
1 TO	4	.444055
1 TO	5	.189763

+1.5 (----)POR
2.4

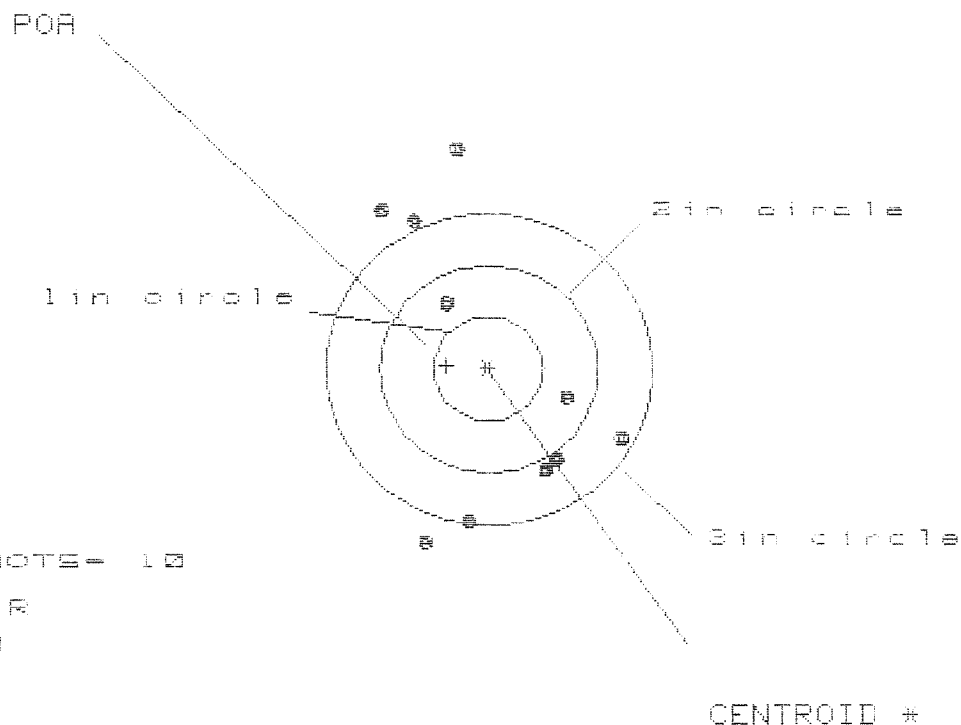
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4836
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1806
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .516222
THE AMR FOR THIS RIFLE IS: 1.106

14 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225103

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 0

2in = 2

3in = 6

HS= 2.206

VS= 3.707

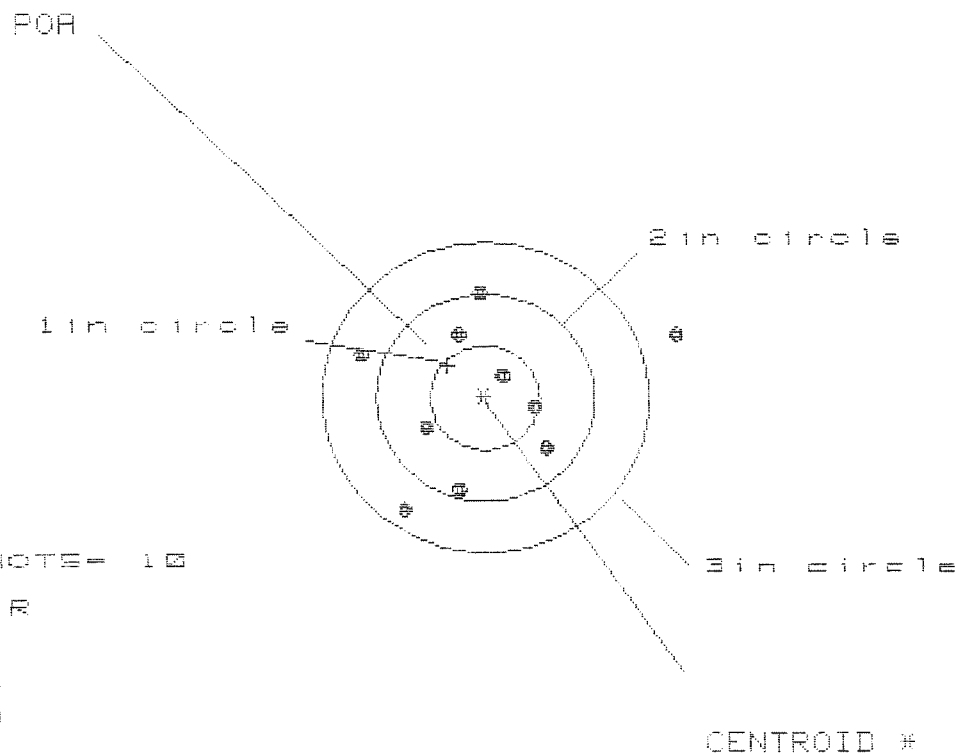
GS= 3.719

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.211	1.179	1.050
MINIMUM X	-.995	-1.027	-.798
MAXIMUM Y	2.090	1.811	1.899
MINIMUM Y	-1.617	-1.385	-1.159
CENTROID X	.384	.416	.545
CENTROID Y	-.033	-.265	-.491
POA TO CENTROID in.	.385	.493	.733
MIN RADIUS	.764	.732	.592
MEAN RADIUS	1.379	1.255	1.078
MAX RADIUS	2.110	2.082	2.060
HORIZONTAL SPREAD	2.206	2.206	1.848
VERTICAL SPREAD	3.707	3.196	3.058
EXTREME SPREAD	3.719	3.222	3.058
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	6		

14 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225103

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.829

VS= 2.124

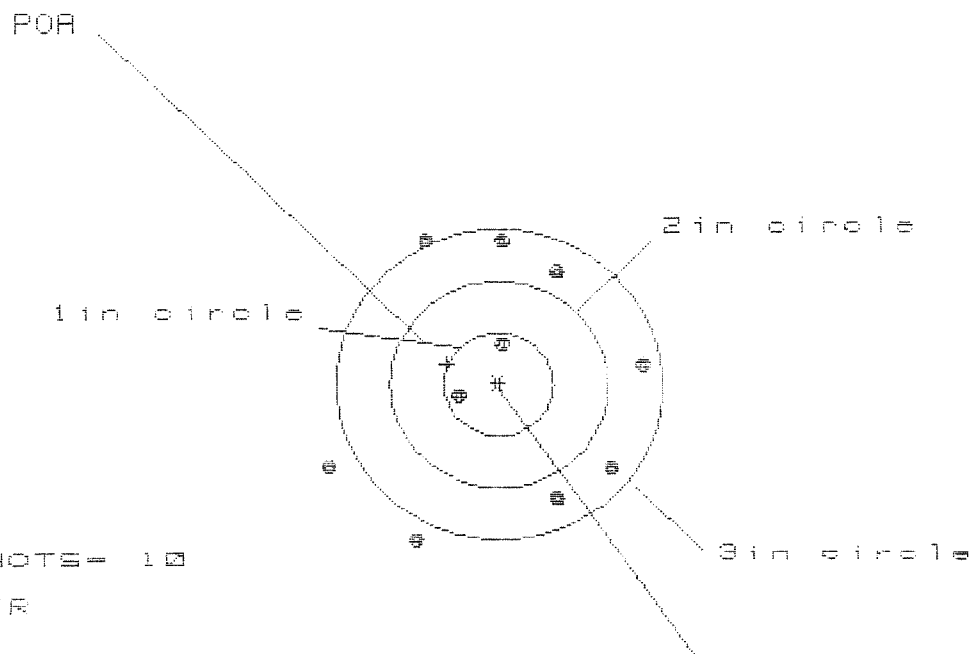
GS= 3.033

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.727	.745	.675
MINIMUM X	:	-1.102	-.910	-.980
MAXIMUM Y	:	1.006	1.077	.946
MINIMUM Y	:	-1.118	-1.047	-.947
CENTROID X	:	.341	.149	.218
CENTROID Y	:	-.315	-.386	-.255
POA TO CENTROID in.	:	.464	.413	.336
MIN RADIUS	:	.227	.402	.296
MEAN RADIUS	:	.901	.797	.731
MAX RADIUS	:	1.840	1.186	1.059
HORIZONTAL SPREAD	:	2.829	1.655	1.655
VERTICAL SPREAD	:	2.124	2.124	1.893
EXTREME SPREAD	:	3.033	2.243	1.920
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225183

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 2

3in = 7

HS= 2.879

VS= 2.931

GS= 3.037

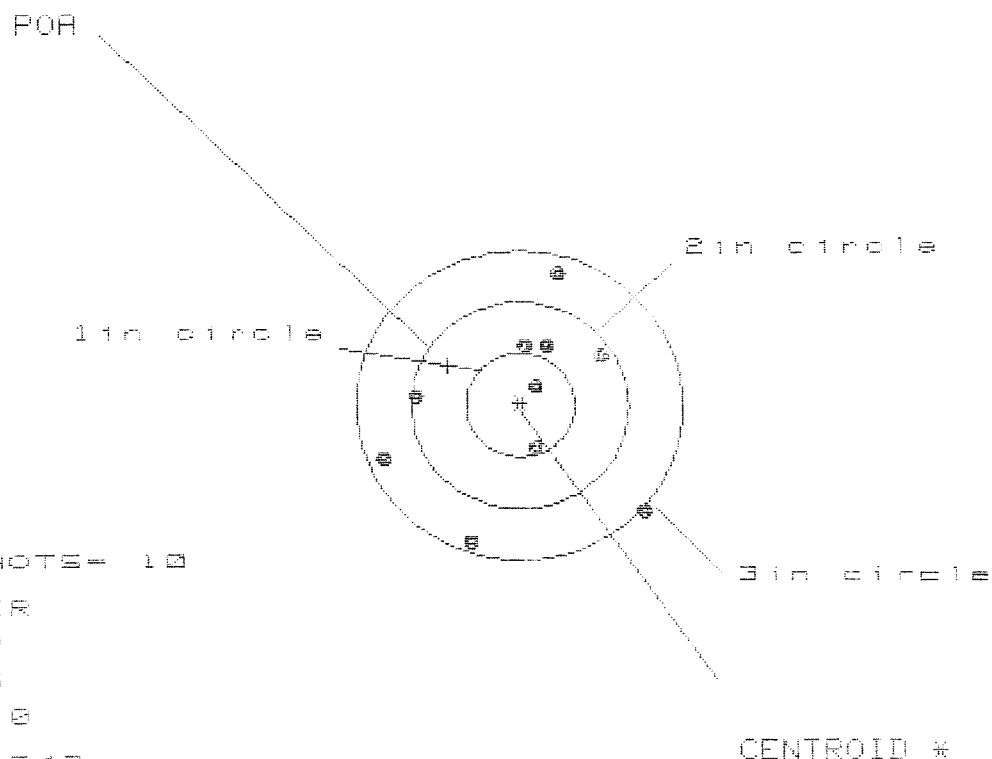
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.315	1.141	1.021
MINIMUM X	:	-1.564	-.960	-.968
MAXIMUM Y	:	1.402	1.312	1.109
MINIMUM Y	:	-1.529	-1.619	-1.430
CENTROID X	:	.472	.646	.766
CENTROID Y	:	-.195	-.105	.098
POA TO CENTROID in.	:	.511	.655	.772
MIN RADIUS	:	.391	.327	.271
MEAN RADIUS	:	1.238	1.163	1.049
MAX RADIUS	:	1.765	1.883	1.472
HORIZONTAL SPREAD	:	2.879	2.101	1.989
VERTICAL SPREAD	:	2.931	2.931	2.539
EXTREME SPREAD	:	3.037	3.019	2.825
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

14 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225189

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.342

VS= 2.603

GS= 2.726

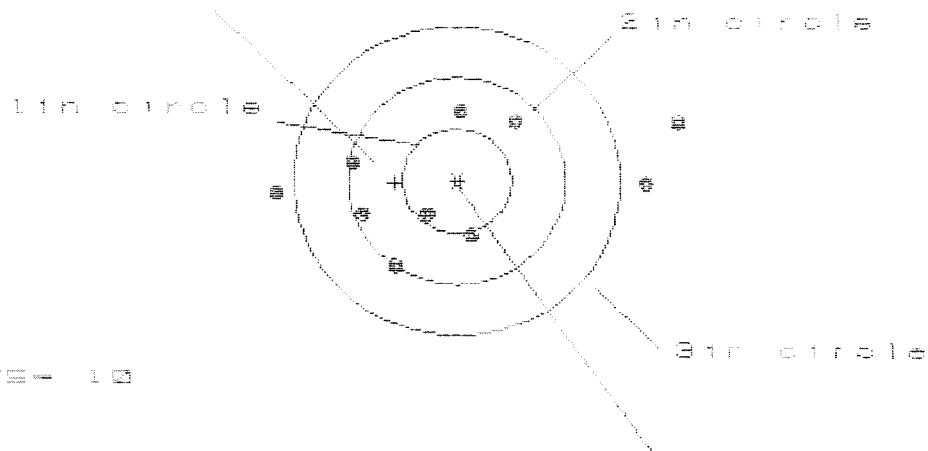
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.095	.851	.804
MINIMUM X	:	-1.246	-1.125	-1.172
MAXIMUM Y	:	1.304	1.194	1.018
MINIMUM Y	:	-1.299	-1.409	-1.752
CENTROID X	:	.656	.535	.582
CENTROID Y	:	-.384	-.274	-.098
POA TO CENTROID in.	:	.761	.601	.590
MIN RADIUS	:	.255	.282	.229
MEAN RADIUS	:	.926	.855	.739
MAX RADIUS	:	1.479	1.458	1.393
HORIZONTAL SPREAD	:	2.342	1.976	1.976
VERTICAL SPREAD	:	2.603	2.603	1.770
EXTREME SPREAD	:	2.726	2.726	2.359
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225189

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 7

HS= 3.756

VS= 1.469

GS= 3.813

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.051	1.949	.971
MINIMUM X	-1.709	-1.477	-1.233
MAXIMUM Y	.662	.723	.733
MINIMUM Y	-.807	-.746	-.736
CENTROID X	.565	.337	.090
CENTROID Y	.024	-.037	-.047
FOR TO CENTROID in.	.565	.339	.104
MIN RADIUS	.401	.223	.272
MEAN RADIUS	1.084	.920	.760
MAX RADIUS	2.124	1.951	1.233
HORIZONTAL SPREAD	3.756	3.426	2.204
VERTICAL SPREAD	1.469	1.469	1.469
EXTREME SPREAD	3.813	3.428	2.304
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		7	