

C6225242

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

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: **RE00087057** Serial: C6225242 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: New 10/27/2004 8:29:51 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **ELECTRONIC MAIN SHOP GSC 10TH DIV** **ELECTRONIC MAIN SHOP GSC 10TH DIV**

Address 1: **ATTN MSG BARTRON SPC LAUBAUGH** **ATTN MSG BARTRON SPC LAUBAUGH**

Address 2: **BLDG 7426 RM 203 BAD TOELZ** PO Box: **BLDG 7426 RM 203 BAD TOELZ** PO Box:

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Good Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
C000	F AND R SGT BASES	1

Repair Search Refresh Close

next 10/27/2004 10:23 AM CAPS NUM INS SCPL

start 3 3 2

Serial Number: **C6225242**

Model: **M24 SWS**



RE00087057

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225242.___0
FILE DATE AND TIME: 11/12/2004 21:59

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

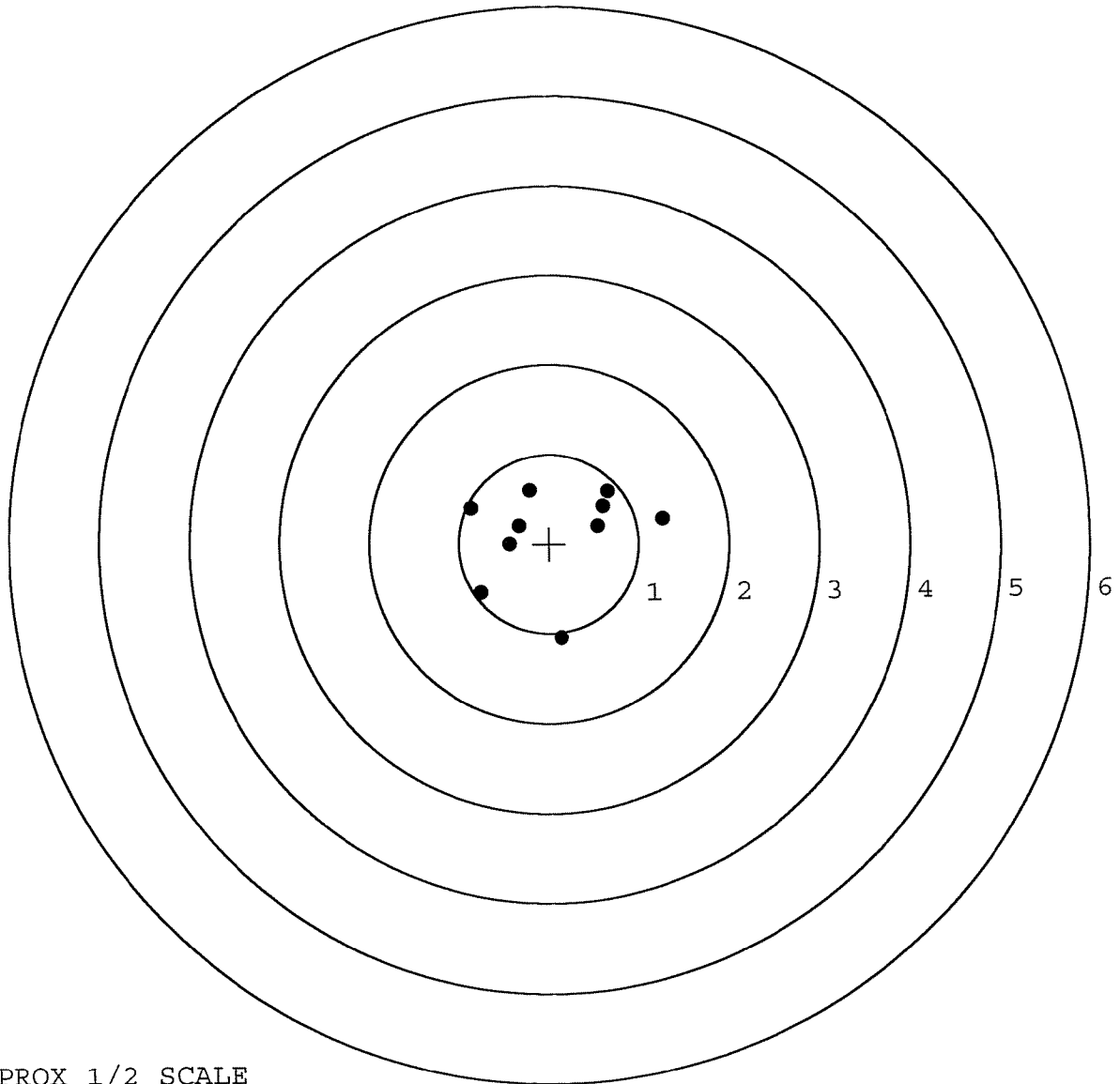
The Average X Centroid of the Five Target Set:	0.025
The Average Y Centroid of the Five Target Set:	-0.071
The Average Point of Impact of the Five Target Set:	0.075
The Average Mean Radius of the Five Target Set:	0.727
The Distance from POA to Centroid Target #1:	0.122
The Distance from Centroid Target #2 to Centroid Target #1:	0.246
The Distance from Centroid Target #3 to Centroid Target #1:	0.348
The Distance from Centroid Target #4 to Centroid Target #1:	0.220
The Distance from Centroid Target #5 to Centroid Target #1:	0.124

BARBER - M24 0011367

SERIAL NUMBER: C6225242. __0
TARGET NUMBER: 1
FILE DATE: 11/12/2004
FILE TIME: 21:59

X CENTROID: 0.059
Y CENTROID: 0.107
POA TO CENTROID: 0.122
HORZ SPREAD: 2.125
VERT SPREAD: 1.657
GROUP SPREAD: 2.182
MIN RADIUS: 0.408
MAX RADIUS: 1.215
MEAN RADIUS: 0.777
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.263	0.272
2:	0.660	0.586
3:	0.606	0.415
4:	0.546	0.194
5:	0.132	-1.058
6:	-0.761	-0.544
7:	-0.441	0.001
8:	-0.338	0.202
9:	-0.215	0.599
10:	-0.862	0.406



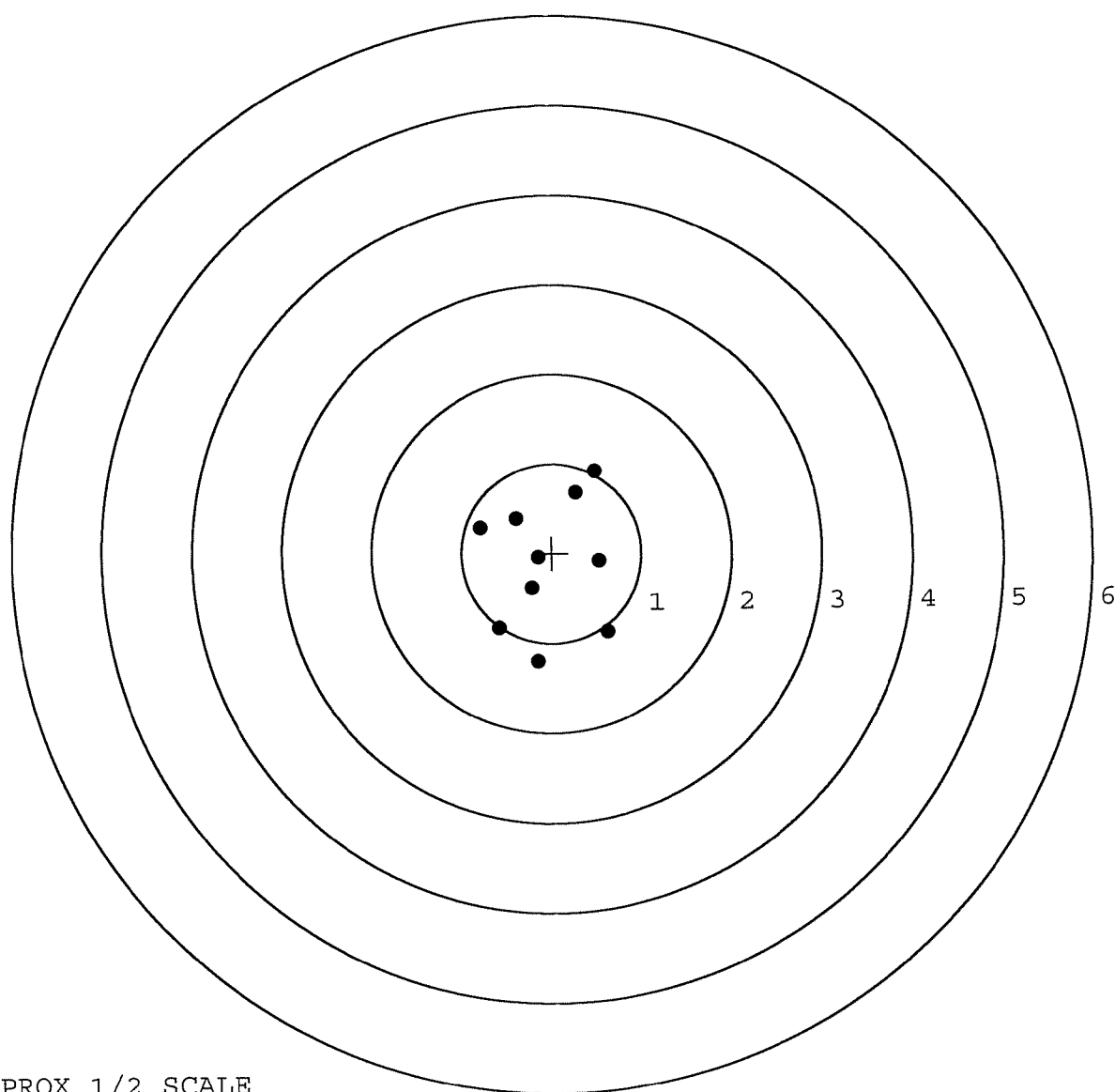
TARGET APPROX 1/2 SCALE

BARBER - M24 0011368

SERIAL NUMBER: C6225242. __0
 TARGET NUMBER: 2
 FILE DATE: 11/12/2004
 FILE TIME: 21:59

POINT#	X	Y
1:	0.620	-0.878
2:	0.529	-0.088
3:	0.274	0.676
4:	0.493	0.914
5:	-0.394	0.389
6:	-0.792	0.292
7:	-0.156	-0.049
8:	-0.230	-0.388
9:	-0.594	-0.829
10:	-0.172	-1.204

X CENTROID: -0.042
 Y CENTROID: -0.116
 POA TO CENTROID: 0.124
 HORZ SPREAD: 1.412
 VERT SPREAD: 2.118
 GROUP SPREAD: 2.220
 MIN RADIUS: 0.132
 MAX RADIUS: 1.161
 MEAN RADIUS: 0.752
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

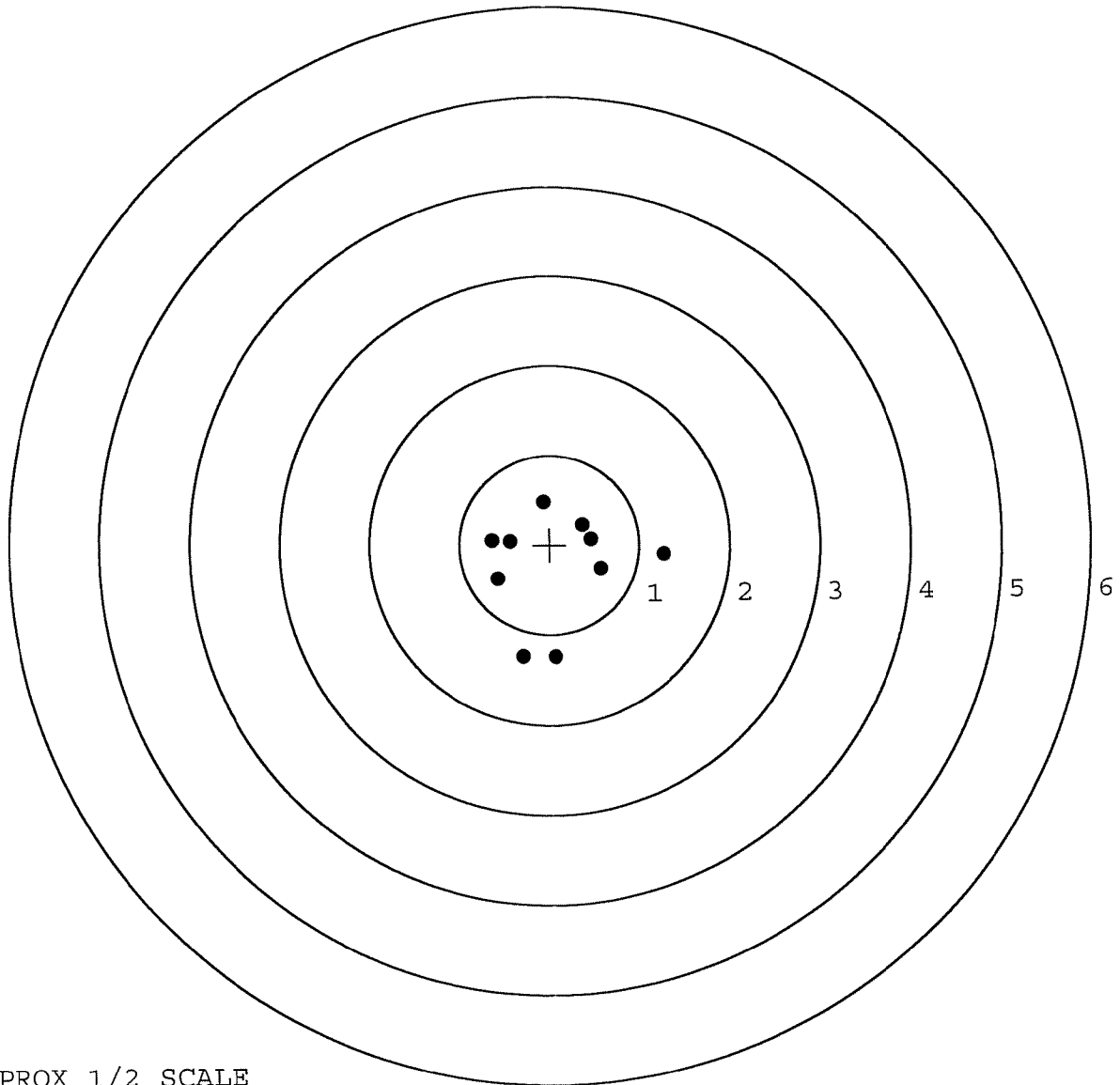
BARBER - M24 0011369

SERIAL NUMBER: C6225242. __0
TARGET NUMBER: 3
FILE DATE: 11/12/2004
FILE TIME: 21:59

X CENTROID: 0.068
Y CENTROID: -0.240
POA TO CENTROID: 0.250
HORZ SPREAD: 1.911
VERT SPREAD: 1.722
GROUP SPREAD: 1.936
MIN RADIUS: 0.496
MAX RADIUS: 1.206
MEAN RADIUS: 0.758

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.268	-0.120
2:	0.056	-1.248
3:	-0.308	-1.244
4:	-0.581	-0.374
5:	-0.442	0.041
6:	-0.643	0.054
7:	-0.071	0.474
8:	0.367	0.225
9:	0.462	0.061
10:	0.569	-0.271



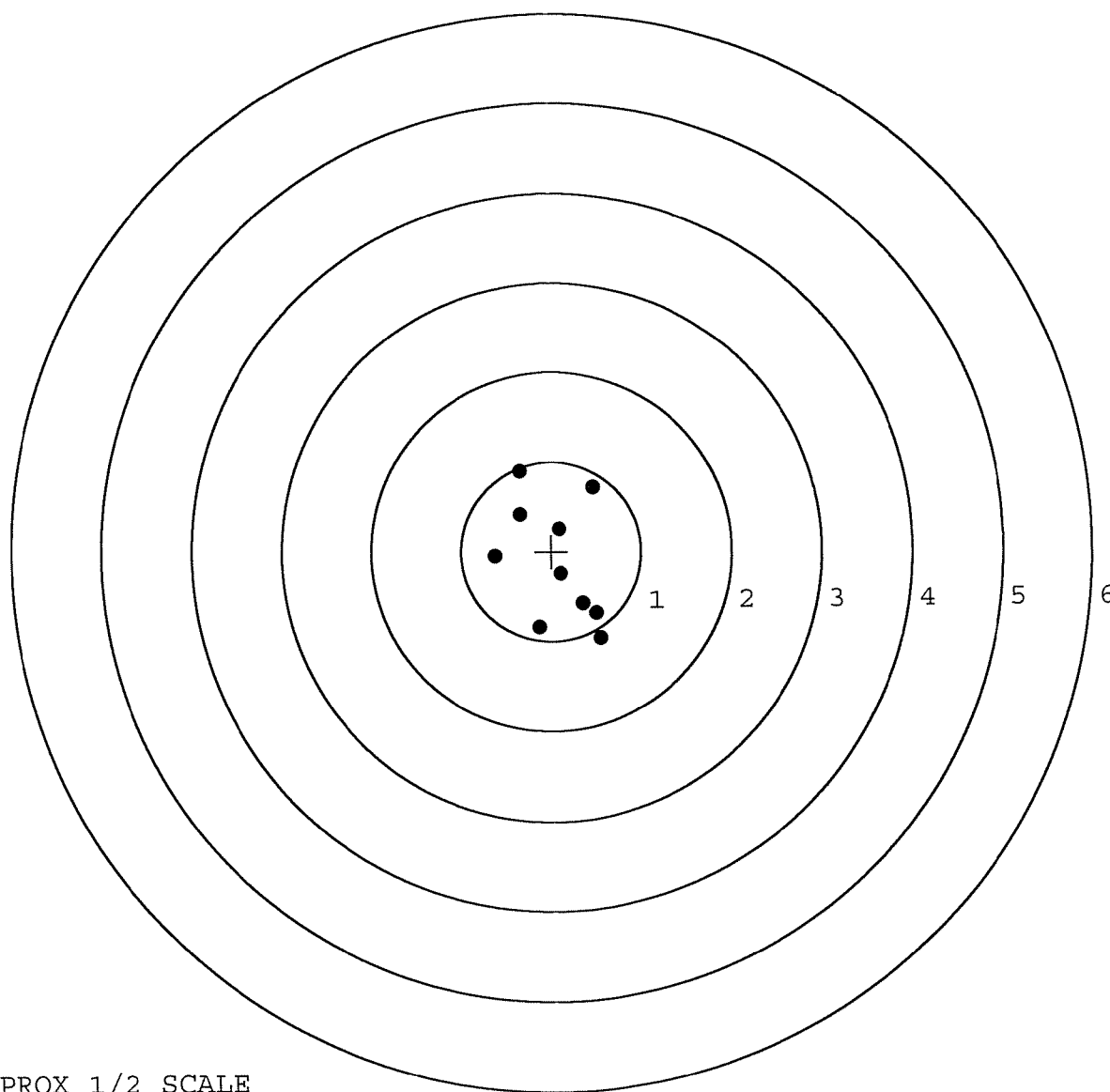
TARGET APPROX 1/2 SCALE

BARBER - M24 0011370

SERIAL NUMBER: C6225242. __0
TARGET NUMBER: 4
FILE DATE: 11/12/2004
FILE TIME: 21:59

X CENTROID: 0.058
Y CENTROID: -0.112
POA TO CENTROID: 0.126
HORZ SPREAD: 1.173
VERT SPREAD: 1.867
GROUP SPREAD: 2.068
MIN RADIUS: 0.143
MAX RADIUS: 1.086
MEAN RADIUS: 0.691
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.144	-0.853
2:	0.104	-0.248
3:	0.093	0.252
4:	-0.633	-0.052
5:	-0.350	0.415
6:	-0.349	0.895
7:	0.468	0.714
8:	0.352	-0.584
9:	0.498	-0.691
10:	0.540	-0.972



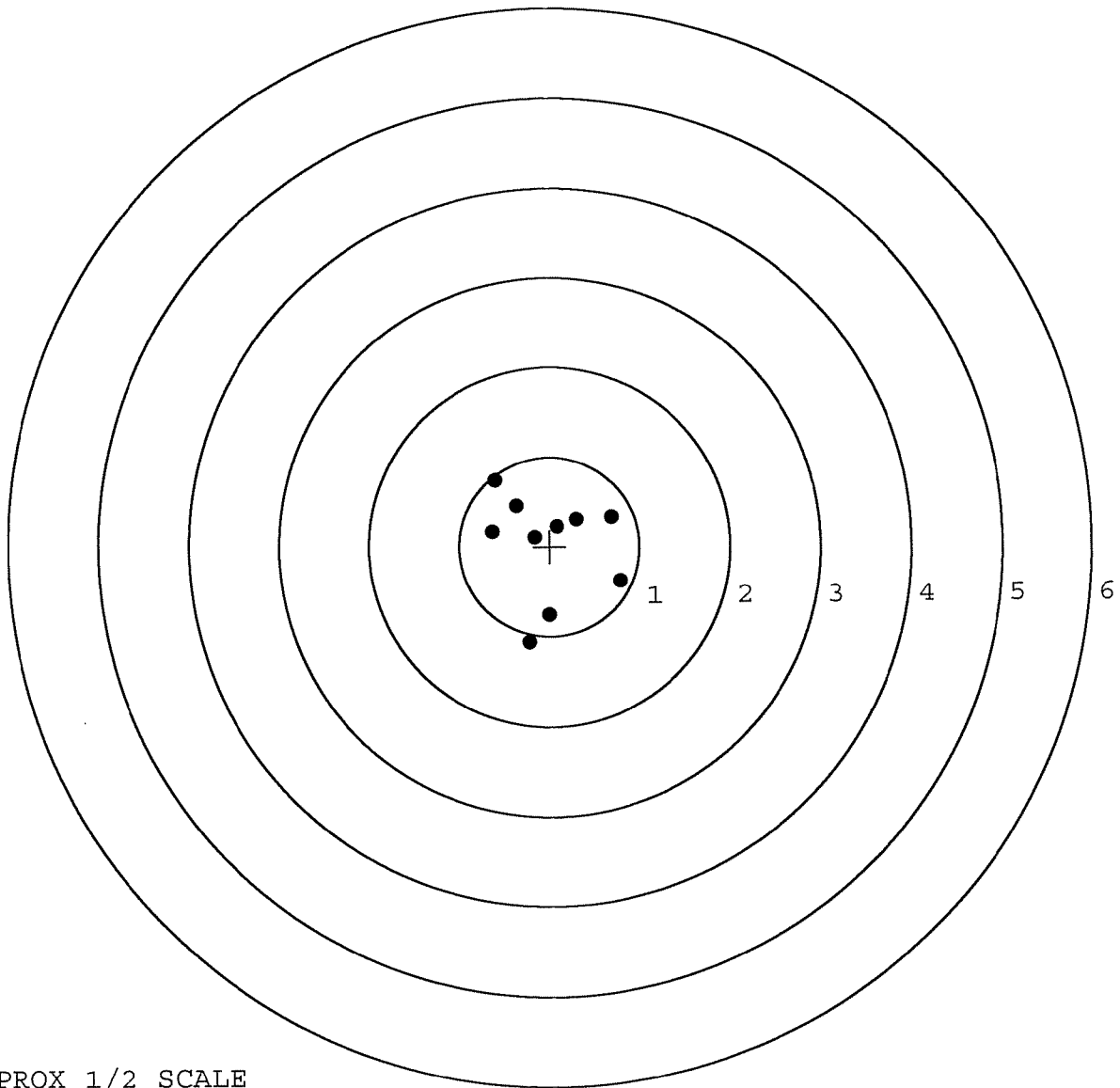
TARGET APPROX 1/2 SCALE

BARBER - M24 0011371

SERIAL NUMBER: C6225242. __0
TARGET NUMBER: 5
FILE DATE: 11/12/2004
FILE TIME: 21:59

X CENTROID: -0.017
Y CENTROID: 0.009
POA TO CENTROID: 0.019
HORZ SPREAD: 1.417
VERT SPREAD: 1.812
GROUP SPREAD: 1.849
MIN RADIUS: 0.180
MAX RADIUS: 1.101
MEAN RADIUS: 0.655
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.783	-0.392
2:	0.693	0.332
3:	-0.015	-0.773
4:	-0.237	-1.070
5:	0.304	0.302
6:	0.082	0.222
7:	-0.171	0.103
8:	-0.634	0.167
9:	-0.371	0.458
10:	-0.603	0.742



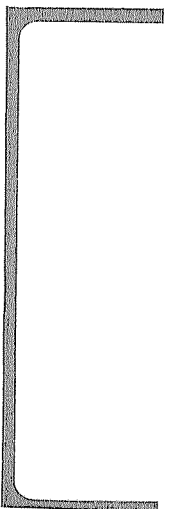
TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	87057		
SERIAL NUMBER	C 6225242		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-28-04	AC
560 A	RE-BARREL	11-2-04	RTZ
B	DRILL AND TAP	11-4-04	TRL
575	ASSEMBLE	11-2-04	RTZ
600	PROOF	11-3-04	RTZ
605	CHECK HEADSPACE	11-3-04	RTZ
610	DIS-ASSEMBLE GUN	11-24-04	RTZ
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	11/5/04	AB
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	HP
625 A	FINAL ASSEMBLY	11-11-04	RTZ
B	TRIGGER PULL TEST	N/A	N/A
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-12-04	TRL
655	FINAL INSPECT	11-17-04	AC
660	PACK	11-18-04	DA
		SHIP DATE	
		QAR INSPECTION DATE	



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. C6225242	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		01	
 5716 C6225242			



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225242

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	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	Y.S.
617	Drill and Tap Sight Holes		4 27 89	YB
618	Polish Barrel RB		4 27 89	BT
620	Apply Coatings (Barrel Action)		5-7-89	TH
	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		5/16/89	TH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/16/89	JU
	G) Safety Off Force	2	2	2			5/16/89	JU
	H) Trigger Pull Test & Retainability						5/16/89	JU
	I) Firing Pin Indent	.020	.021	.020			5/16/89	JU
	J) Assemble Stock						5/17/89	RW
	K) Assemble Swivel Studs						18 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/17/89	RW
	M) Iron Sight Alignment						5/17/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/17/89	RW
	O) Attach Scope to Rifle						5/17/89	JU
	P) Detach & Attach Scope 20 Times						5/17/89	JU
640	Gallery Target & Test	66 R	90L				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	2.66	2.76	2.78	2.78	2.76	18 May 89	JS
	C) Function						18 May 89	JS
660	Pack						27 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. ⁵²⁴²
~~C6349078~~

DATE 2-9-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.49	2.42	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.34	2.40	
PULL #3	2.49	2.31	2.40	
PULL #4	2.47	2.55	2.33	
PULL #5	2.48	2.40	2.42	
TOTAL	12.43	12.02	11.98	
AVG.	2.486	2.404	2.396	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.04	3.31	
PULL #2	3.23	3.26	
PULL #3	3.27	3.29	
PULL #4	3.27	3.32	
PULL #5	3.27	3.31	
TOTAL	15.88	16.49	
AVG.	3.176	3.298	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.22		4.18
PULL #2	4.28	4.22		4.22
PULL #3	4.32	4.23		4.20
PULL #4	4.27	4.24		4.25
PULL #5	4.26	4.22		4.23
TOTAL	21.38	21.13		21.08
AVG.	4.276	4.226		4.216

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225242
17 May 1989

CENTROIDAL DISTANCES

0 TO 1	.919018
1 TO 2	1.08656
1 TO 3	.653735
1 TO 4	.826018
1 TO 5	1.19631

$\begin{matrix} 5 & 4 & 2 \\ + & + & \\ & 3 & \\ & 1 & \end{matrix}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4128
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1788
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .449859
THE AMR FOR THIS RIFLE IS: .8582

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225242

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 1

2 in - 7

3 in - 9

HS= 1.918

VS= 2.462

GS= 2.868

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.979	1.067	.774
MINIMUM X	-.939	-.851	-.717
MAXIMUM Y	1.330	1.126	1.003
MINIMUM Y	-1.132	-.984	-1.107
CENTROID X	.337	.249	.115
CENTROID Y	-.855	-1.003	-.880
POA TO CENTROID in.	.919	1.034	.888
MIN RADIUS	.415	.370	.200
MEAN RADIUS	.941	.858	.751
MAX RADIUS	1.550	1.451	1.196
HORIZONTAL SPREAD	1.918	1.918	1.491
VERTICAL SPREAD	2.462	2.110	2.110
EXTREME SPREAD	2.868	2.288	2.245
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/06225242

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.457

VS= 1.892

GS= 1.924

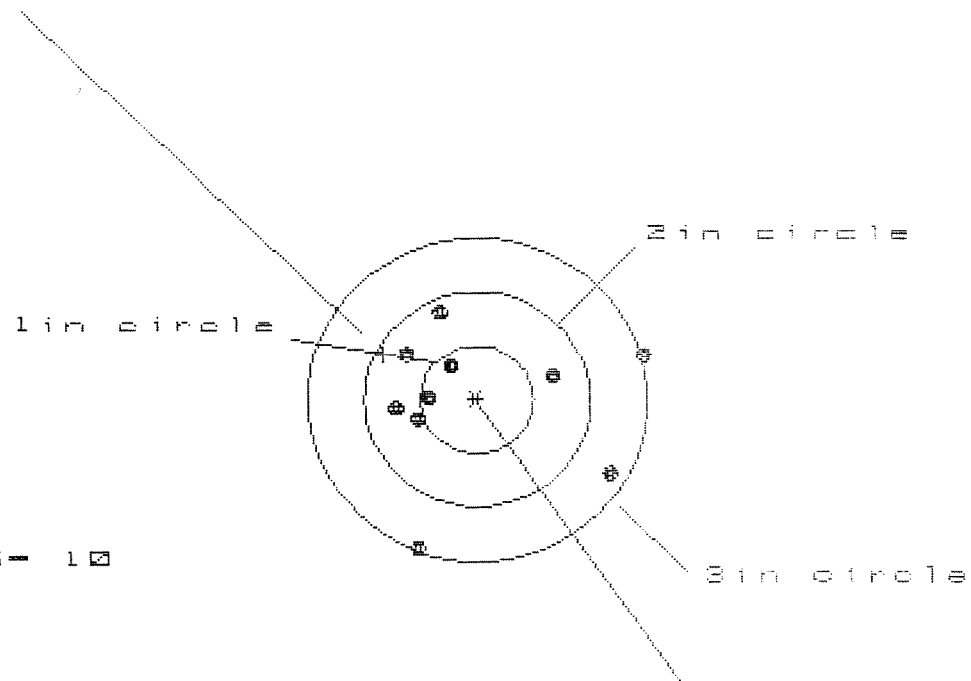
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.785	.848	.884
MINIMUM X	:	-.672	-.609	-.574
MAXIMUM Y	:	.996	.897	.649
MINIMUM Y	:	-.896	-.685	-.573
CENTROID X	:	.680	.617	.582
CENTROID Y	:	.176	.275	.163
POA TO CENTROID in.	:	.702	.675	.604
MIN RADIUS	:	.281	.170	.232
MEAN RADIUS	:	.672	.620	.568
MAX RADIUS	:	1.061	.940	.884
HORIZONTAL SPREAD	:	1.457	1.457	1.457
VERTICAL SPREAD	:	1.892	1.582	1.222
EXTREME SPREAD	:	1.924	1.737	1.536
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225242

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.269

VS= 2.193

GS= 2.678

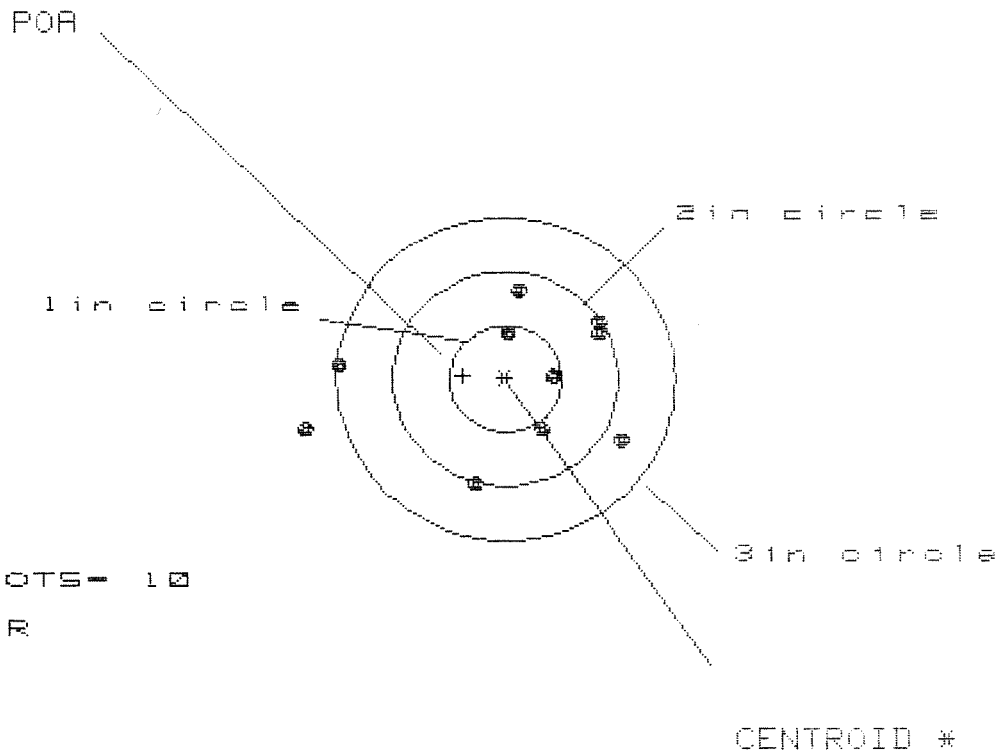
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.523	1.385	1.345
MINIMUM X	:	-.746	-.577	-.617
MAXIMUM Y	:	.851	.898	.737
MINIMUM Y	:	-1.342	-1.295	-.833
CENTROID X	:	.825	.656	.696
CENTROID Y	:	-.420	-.467	-.306
POA TO CENTROID in.	:	.926	.806	.760
MIN RADIUS	:	.435	.297	.274
MEAN RADIUS	:	.894	.772	.680
MAX RADIUS	:	1.582	1.539	1.582
HORIZONTAL SPREAD	:	2.269	1.962	1.962
VERTICAL SPREAD	:	2.193	2.193	1.570
EXTREME SPREAD	:	2.678	2.222	2.222
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225242

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 2.813

VS = 1.749

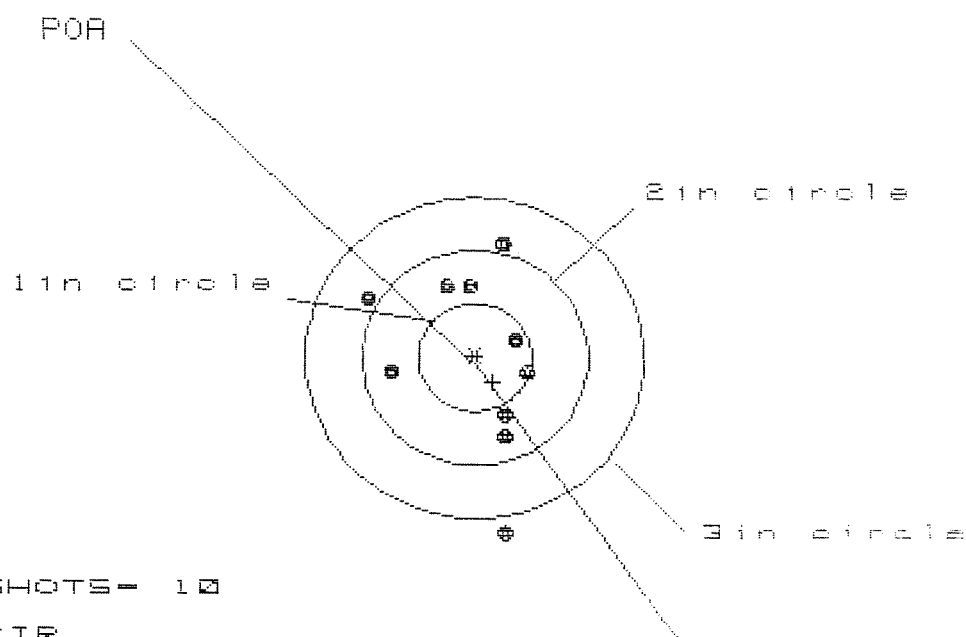
GS = 2.843

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.988	.786	.581
MINIMUM X	:	-1.825	-1.638	-.692
MAXIMUM Y	:	.822	.769	.780
MINIMUM Y	:	-.927	-.980	-.969
CENTROID X	:	.378	.580	.785
CENTROID Y	:	-.030	.023	.012
POA TO CENTROID in.	:	.379	.581	.785
MIN RADIUS	:	.378	.170	.043
MEAN RADIUS	:	.958	.793	.645
MAX RADIUS	:	1.885	1.641	1.191
HORIZONTAL SPREAD	:	2.813	2.424	1.273
VERTICAL SPREAD	:	1.749	1.749	1.749
EXTREME SPREAD	:	2.843	2.521	1.819
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225242

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 2

HS = 1.404

VS = 2.688

GS = 2.688

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.498	.525	.415
MINIMUM X	:	-.906	-.879	-.779
MAXIMUM Y	:	1.039	.856	.905
MINIMUM Y	:	-1.649	-.966	-.917
CENTROID X	:	-.156	-.183	-.073
CENTROID Y	:	.235	.418	.369
POA TO CENTROID in.	:	.282	.457	.376
MIN RADIUS	:	.420	.432	.318
MEAN RADIUS	:	.826	.715	.669
MAX RADIUS	:	1.667	1.005	.932
HORIZONTAL SPREAD	:	1.404	1.404	1.194
VERTICAL SPREAD	:	2.688	1.822	1.822
EXTREME SPREAD	:	2.688	1.822	1.822
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	